

Mississippi Project Status Book

for March 2013

This Project Status Book contains information on the latest progress of the Vicksburg District's projects in the State of Mississippi. You will find project maps with corresponding fact sheets for each project. Fact sheets cite authorization for the project and provide locations and project description information. Also provided are activities for the fiscal year 2013. District capabilities are included for additional funds that may become available. Additionally, important issues or impacts are supplied for a more detailed perspective of the project. The Vicksburg District publishes this book to provide valuable status information for ongoing projects. For your added convenience, a copy of this book in PDF format is provided on the disk attached below. However, if you should find you still have questions or need additional information about projects contained in this book, please contact:

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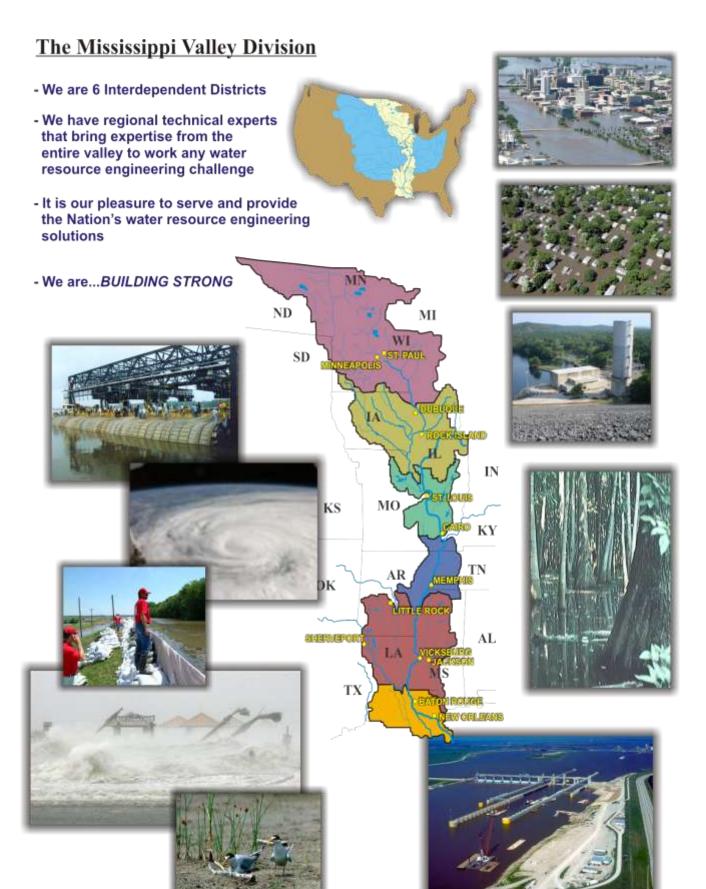
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BIOGRAPHY



Colonel Jeffrey R. Eckstein

Commander, Vicksburg District

Colonel Jeffrey R. Eckstein is the current District Commander for the Vicksburg District, Vicksburg, Mississippi. In this role he is responsible for navigation on 300 miles of the Mississippi River. He is also charged with flood risk management, environmental restoration and other projects within a 68,000 square mile area covering the states of Mississippi, Louisiana and Arkansas.

Colonel Eckstein is a native of Inverness, Florida. He is a 1985 graduate of the United States Military Academy with a Bachelors of Science in Civil Engineering. He received a Master's of Science in Civil Engineering from the University of Washington in 1994. He is a registered Professional Engineer in Florida and Virginia. His military education includes the Engineer Officer Basic and Advanced Courses at Fort Belvoir, Virginia, the Combined Arms Service and Staff School and Command and General Staff College at Fort Leavenworth, Kansas, and the United States Army War College at Carlisle Barracks, Pennsylvania.

Colonel Eckstein's company grade assignments include a tour in Germany where he served as a Platoon Leader and Battalion Intelligence Officer with the 54th Engineer Battalion (C)(M). While at Fort Benning, Georgia, he served in the 36th Engineer Group as an Assistant Operations Officer during Desert Storm and later as a Company Commander in the 43rd Engineer Combat Battalion (H) after the war. He participated in Hurricane Andrew cleanup and Operation Restore Hope in Somalia with the Battalion. Colonel Eckstein served as a Project Engineer with the Seattle District, United States Army Corps of Engineers executing construction projects at Fort Lewis, Washington. His projects included new construction, barracks upgrades, and historic renovation.

Colonel Eckstein's grade assignments include a second tour with the 36th Engineer Group serving as the Group Operations Officer and Design Engineer. He deployed to Nicaragua in support of Operation Fuerte Apoyo. He served as a Requirements Officer in the J8 of U.S. Joint Forces Command in Norfolk, Virginia. He commanded the 84th Engineer Combat Battalion (Heavy) in Hawaii. He deployed with the Battalion during OIF-2 and executed construction missions throughout Northern Iraq. Colonel Eckstein served as the G-7, Reconstruction Officer, for Multi-National Division North when 25th Infantry Division deployed in support of OIF 06-08. He then served as the Chief of Staff for the 25th Infantry Division. His previous assignment was the Senior Advisor for Infrastructure at the US Army Peacekeeping and Stability Operations Institute at Carlisle Barracks.

Colonel Eckstein is married and has three children.

Congressional Districts in the Vicksburg District



Governors and U.S. Senators

ARKANSAS

Governor Mike Beebe Senator Mark Pryor Senator John Boozman

LOUISIANA

Governor Bobby Jindal Senator David Vitter Senator Mary Landrieu

MISSISSIPPI

Governor Phil Bryant Senator Thad Cochran Senator Roger Wicker

Louisiana, and Arkansas. Seven major strong, divided between our Vicksburg, Rivers. The District employs a diverse solutions and has been recognized as many engineering and environmental The Vicksburg District encompasses Mississippi headquarters and eleven Vicksburg's second oldest business. including the mighty Mississippi, the The District operates and maintains 68,000 square miles in Mississippi, iver basins fall into our jurisdiction profile of professionals, over 1000 District is a center of expertise for Red, Ouachita, Pearl, and Yazoo field offices spread over all three states. Established in 1873, the \$2.3 billion in real property and

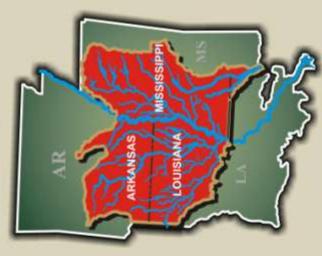


Including:

- Mississippi including Bayou Meto, Big Black, watersheds in Arkansas, Louisiana, and Boeuf Tensas, Homochitto, Mississippi, Ouachita, Pearl, Red, and Yazoo
- Mississippi River Ports handling over 8.5 million tons of cargo
- Red River Ports handling over 1 million tons of cargo 2
- locks and 9 dams on the Pearl, Red and Ouachita Rivers 12
- Power plants capable of generating 168,500 kilowatts of electricity
- Lakes with 1,673 miles of shoreline 10
- Pumping plants
- 478 Flood control structures
- miles of navigable channel ,252
- Miles of levees, including 460 miles along 1,910
- managed for forestry and wildlife enhancement Acres of project and mitigation lands are the Mississippi River 450,603
- Recreation areas with 2,772 campsites and 1,529 picnic sites with total estimated visitors of 8,888,000 146



Commander, Ficksburg District Colonel Jeffrey R. Eckstein





JS Army Corps of Engineers

Vicksburg District

Wississipp Brook



Benefit to Cost Ratios

45.3 to 1 and likewise the total benefitover the economic life of the project. For the MR&T the economic life is 100 at the 7% interest rate. The benefit-toare annualized at the 7% interest rate associated with the completed project The current remaining (FY13) benefit to-cost ratio for the system is 3.3 to 1 annualized cost to achieve these benefits. All project benefits and cost to-cost ratio for the MR&T system is cost ratios are based on annualizing and dwiding them by the respective the remaining and total benefits

Channel

iddississim

ue to the



 Channel Improvements Drainage Structures

Pumping Plants

• Weirs

Flood risk management along the Mississippi River is provided through a coordinated system-wide water management

Water storage reservoirs

Levees

program utilizing:

Management

Flood Risk

Sediment Reduction and Erosion Reduction Measures

Fritonmenta Stewardship

The Corps has developed an environmentally sustainable project with the philosophy to avoid and minimize adverse environmental impacts. When impacts are unavoidable, compensation is made for the loss.

- The Corps has created over 6,700 acres of aquatic habitat from
 - The Corps has reforested at least 3,000 acres of borrow areas

Navigation

The Vicksburg District uses numerous bools to increase the safety and dependability of navigation on the Mississippi River.

- Dikes, revetments, and dredging are used to stabilize the navigation channel
- Channel Stabilization Improves flow and reduces erosion
- The Vicksburg District supports two MR&T ports and five O&M ports

tons of cargo annually

of over 176 million Baton Rouge, LA

with the Ohio River to supports the transport

The Mississippi River you know

from its confluence

Annual	\$12,600,000	\$80,000,000
Jobs	540	4,000
2011 Commercial Tonnage	2,680,962	2,470,356
MR&T Port	Greenville, MS	Vicksburg,MS

O&M Porty

O&M Port	2011 Commercial	Jobs
Rosedale, MS	1,401,472	325
Yellow Bend, AR	218,580	N/A
Lake Providence, LA	1,073,266	291
Madison Parish, LA	791,766	300
Claiborne Co., MS	NA	NA



US Army Corps of Engineers Vicksburg District





argo

Aggregate, Forest Products, Aggrant Aggregate, Cool, Steel, Fertilizer, Petrochemicals Aggregate, Coal, Steel, Fertilizer, Petrochemicals Fertilizer, Millary Cargo, Citic Acid, Aggregatin, Types of Cargo NA-Emerging Part Project Lifts Project Lifts Alexandria Regional Red River Parish Avoyelles Parish Caddo-Bossier Natchitoches Port

alue to the

10

Did you know?

- The \$1.9 billion Red River Waterway Project was completed in 1994
- Five lock and dam complexes provide a total lift of 140 feet the equivalent of a 14-story building
- The navigation channel has a minimum depth of 9 feet and a minimum width of 200 feet
- maintains the locks and dams and supervises bank The U.S. Army Corps of Engineers operates and stabilization and other enhancements
- facilities offered by 22 recreation areas in 8 parishes along Over 1.7 million visitors annually take advantage of the waterway
- Over 8,400 acres of mitigation lands have been purchased to offset losses caused by project construction

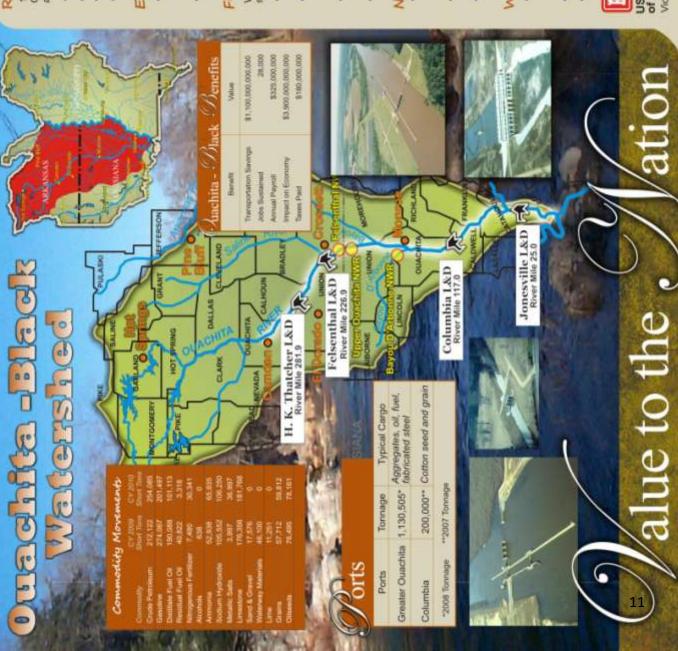


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Port	2010 Commercial Tonnage	Jobs
Caddo-Bossier	1,700,000	7,550
Red River Parish	998'366	N/A
Natchitoches	195,113	291
Alexandria Regional	1,500,000	300
Avoyelles Parish	N/A	K/N



US Army Corps of Engineers e



Lecreation

18 Corps recreational areas along the 4 pools of the Ouachita-Black Navigation Project with 700,000 visitors annually - facilities include:

- 18 boat ramps with 48 lanes
- 16 day-use areas
- 1 swimming beach
- Two Class A campgrounds outgranted to local governments

Environmental Stewardship

- Felsenthal National Wildlife Refuge lies adjacent to the Originally part of the project, the 65,000 acre Ouachita River in Arkansas
- The 15,500 acre D'Arbonne National Wildlife Refuge is located on Bayou D'Arbonne in Louisiana

Flood Risk Managemen

Watershed management is provided through a coordinated system-wide water management program utilizing

- Water storage reservoirs with over 3.5 million acre-feet of capacity
- Over 370 miles of levees along the Ouachita River, and in the Tensas-Cocodrie, Larto Lake to Jonesville, Sicily Island and Below Red River areas
- 120 miles of channel and tributary improvements along the Tensas River
- 5 pumping plants of 300 cfs, 500 cfs, 750 cfs, 4,000 cfs, and 6,500 cfs

Navigation

- 337-mile Ouachita-Black Navigation Project provides for a 9-foot by 100-foot navigation channel from the mouth of the Black River to Camden, AR
- 4 Locks and Dams to regulate pool height and pass navigation
- Project supports approximately 28,000 private sector jobs with an annual payroll of \$325,000,000

Water Supply

- Arkadelphia and Camden in Arkansas as well as Monroe Provides water supply for cities of Hot Springs, Malvern. Louisiana
- Supplies water to nine major industries
- Provides water supply for crop irrigation



of Engineers # Vicksburg District

A THEFTERS

THE COUNTY

Mountain Dam Lake Ovachita Blakely



Degray Lake

Lake Greeson

Narrow Dam -

DeGray Lake

















Friends of the Ouachita

Prough at agreement with the Creps, the Franch of Duschles have taken on the operation of Cystas Springs and Tumpakes Bend campagurants at Lake Cuschilla. Free collected by the non-pruff group are fed in facilities and opprades at the

Lake Ouachita Water Realiscation Study

Officials from the City of Het Springs and the Versthurg District associated a Memorievitian of Agreement to 28 February 2013 altheby for a water auguly reallocation shidy at Lake Custritta

2012 Visitors	1,127,284	946,167	362,430
Project	Lake Ouachila	DeGray Lake	Lake Greeson

LOUISIANA

conomic Impacts

Generating Capacity

75,000 kilowetts

Dam - Lake Ouachita Biakely Mountain

Project	Economic Impact	Jobs
Lake Ounchits	\$22,800,000	324
DeGray Lake	\$18,530,000	277
Lake Greeson	\$7,120,000	133

68,000 kilowatts 25,500 lolowatts

A Corpy First

larrows Dam ake Greeson

the main lake that serves as a storage basin for pump back capable features. During pulling water out of the Lower cover Lake also serves as an Lake into the main take to be utilized again for hydropower in the history of the Corps of impoundment directly below distinction as the first 'pump back capable impoundment Engineers. A re-regulation generator can be reversed yeneration. The 400-acre drought, the 28,000 KW DeGray Lake holds the dam forms a 400-acre designated times, i.e.

Did you know?

- DeGray Lake holds the distinction as the first "pump back capable" impoundment in history of the Corps of Engineers
 - Narrows Dam is the only "all concretin" dam in the Vickstrurg District The 3 Arkansas Lakes support over 700 jobs and provide nearly \$46,000,000 in economic benefits to local economies



Lake Ovachita

Blakely

Degray Lake

including six Class A areas, 7 day-use areas, 11 boat ramps with 55 lanes, and 8 swimming Facilities include 15 recreation areas, with 8 campgrounds beaches



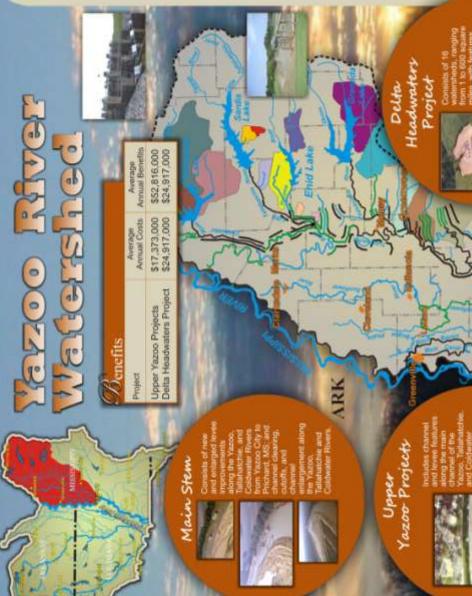
with 19 lanes, and 6 swimming Facilities include 17 recreation including five Class A areas, 7 day-use areas, 9 boat ramps areas, with 12 campgrounds







of Engineers .. Vicksburg District



azoo River Watershed

Vicksburg, MS to north of Clarksdale, MS and east from the Mississippi River to the hills east of Greenwood, MS It consists of roughly 8,900 square miles including all or parts of 12 Mississippi counties. The watershed has an approximate length of 175 miles and an approximate encompasses the delta area extending north from width of 40 miles

Flood Risk Management

Flood risk management in the Yazoo River Basin is provided through a coordinated system-wide water management program utilizing

- 4 water storage reservoirs
- 202 miles of levees
 - 103 drainage structures
- 583 miles of channel
- 1 Pumping plant 8 Weirs
- Sediment reduction projects
- Erosion reduction measures

1,987,370

4.917

Yazoo Basin

1,889,276

4,901

Headwaters

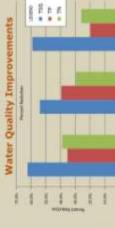
Yazzoo

Cumulative Pood Damage Prevented (\$000) 98,094 Flood Damages Prevented Flood Darrage Prevented (\$000) Backwater

Environmental Stewardship

involved with a flood control/sediment reduction project in Since the early 1990s, the Vicksburg District has been the watershed which has dramatically improved water quality. Projects have included:

- Installation of low head weirs to maintain minimum water depths in channels
- Installation of 67 sediment control structures to prevent sediment from filling channels
- Water quality monitoring
- Large post-project reduction of in-stream suspended solids (TSS)





US Army Corps of Engineers Vicksburg District

alue to the



John John Supported	222	1654	190	742
Economic Impact	\$20,000,000	\$34,550,000	\$15,200,000	254,130,000
Project	Anabulis Lake	Samily Labo	Esstiate	Connects Late

rkabutla Lake (19943)

Enid Lake

820,371 1,121,136 STR. SEL おおり

Arkathatta La Sards Lake Electate Grenada Lake

Did you know?

- Over 3 million visitors find their way to one of the takes facilities year.
- Wisitor spending at the North Mississippi Lakes represents stable component of the economies of local communities numounding the takes.
 - Visitors spend over \$120 million arrunally with 52% being captured by local economies. Visitor spending supports the addition of over 1,500 jobs.

Arkabuta Lake



\$22,000,000 \$39,000,000

000'000'55 25.000,000.22

Sardis Lake

Grenada





traits, off-road verticle trail, eight

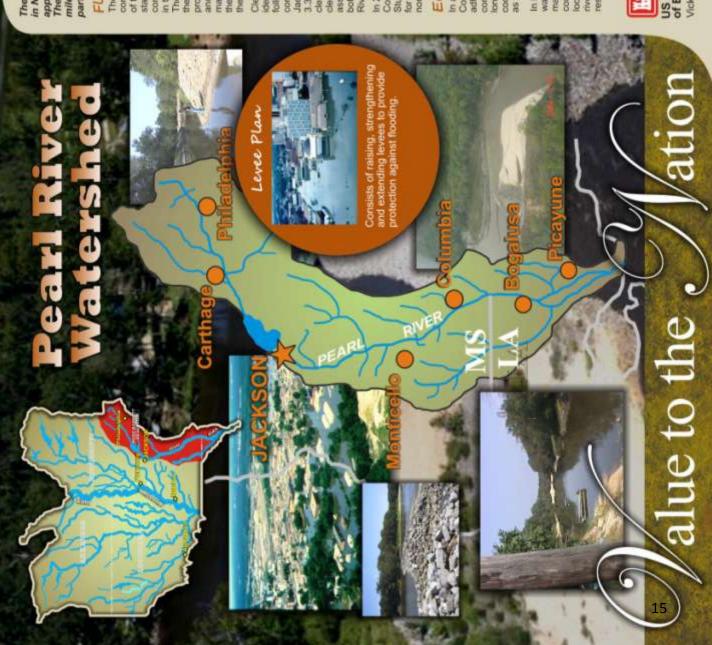


prilles, fishing areas, group pions proup comps silve, pront tables



US Army Corps of Engineers Vicksburg District

alue to the



The Poarl River originates in Neshoba County, MS and meanders approximately 444 miles to empty into Lake Borgne. The Pear River Watershed covers some 8,760 square miles and includes all or parts of 23 Mississippi Counties parts of 3 Louisiana Parishes.

Flood Risk Management

The Jackson (Fairgrounds) and East Jackson levees were completed in 1968 by the Corps. These protective works consist of two earthen levees, four gated outlets, and two pumping stations. Some 5.34 miles of river channel work was involved in constructing the plan. The Fairgrounds levee protects 420 acres in the fairgrounds area of Jackson on the west side of the river. The longer East Jackson levee protects 5.870 acres, including the town of Pearl and portions of Flowood and Richland. This project was sponsored by the Rankin-Hinds Pearl River Flood and Drainage Control District, which presently operates and mannains the levees. In 1984, an extension on the north end of the Fairgrounds levee was constructed to eliminate flanking of the levee.

Clearing of the floodway below the levee in Jackson was identified as an early action item to reduce Jackson flooding cleaning the 1978 flood. The cleaning pian, which was completed in 1984, extended from about 0.5 mile below the old Jackson sanitary landfill to Woodrow Wilson Bridge, a total of 3.3 river miles. The plan consisted of 237 acres of complete clearing, 20 acres of selective clearing, and 89 acres of partial clearing. To offset unavoidable impacts to fish and wildlife associated with the clearing plan, approximately 320 acres of bottomiand hardwood were acquired as mitigation. The Pearl River Basin Development District isthe local aponacr for this

In 2012, the Rankin-Hinds Pearl River Flood and Drainage Control District initiated a Section 211 Flood Risk Management Study to evaluate additional flood risk management alternatives for the Jackson. MS area. The study is funded 100 percent with non-Federal funds.

Environmental Stewardship

In all aspects of natural and cultural resources management, the Corps promotes awareness of environmental values and adheres to sound environmental stawardship, protection, compliance and restoration practices. The Corps manages for long-term public access to, and use of, the natural resources in cooperation with other Federal, State, and local agencies as well as the private sector.

In late summer and early fall, virtually all of the Pearl River flow was captured by an area known as Wilson Slough. This left the main channel of the Pearl River in the vicinity of Walklah bluff completely dry in some locations leaving property owners and local citizens with no opportunity to enjoy the benefits of the river. For more than 20 years, locals tried to get a project to restore flows in the vicinity of Walklah Bluff. Using an authority estore flows in the vicinity of Walklah Bluff. Using an authority



restore flows in the Pearl River and once

Project. The project was designed to

restoration the Corps began the Pearl

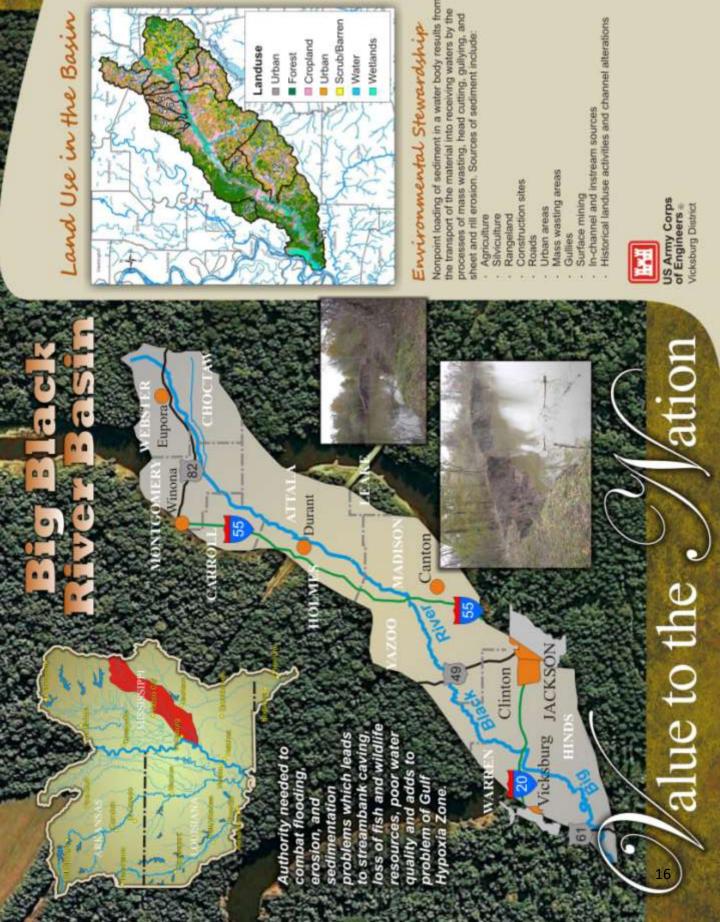
provided for environmental wetland

River, Walkah Bluff Flow Distribution

again make it a viable resource for both

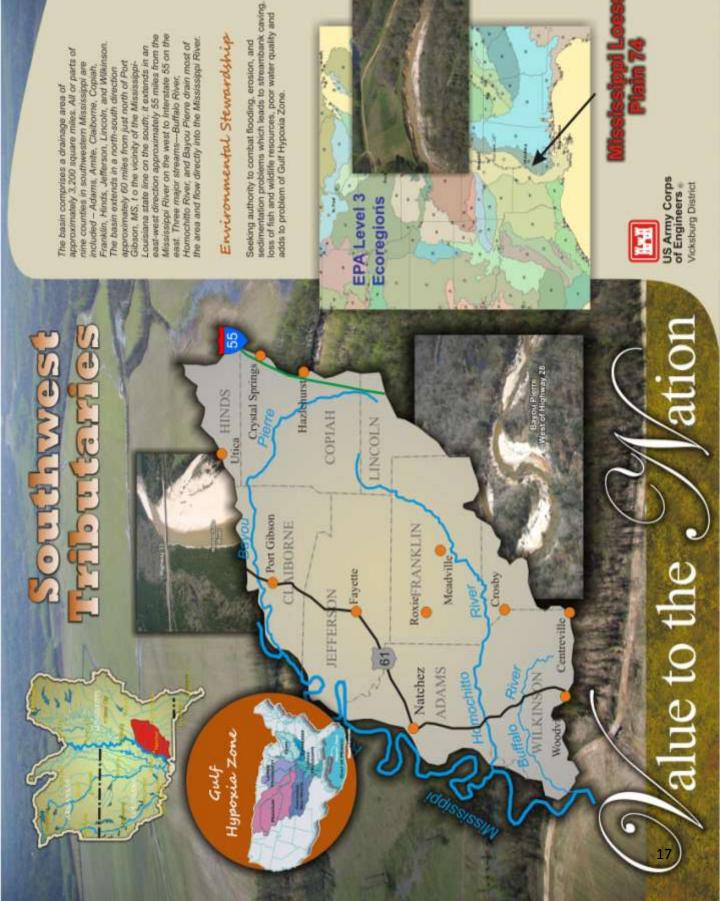
Mississippi and Louislana.

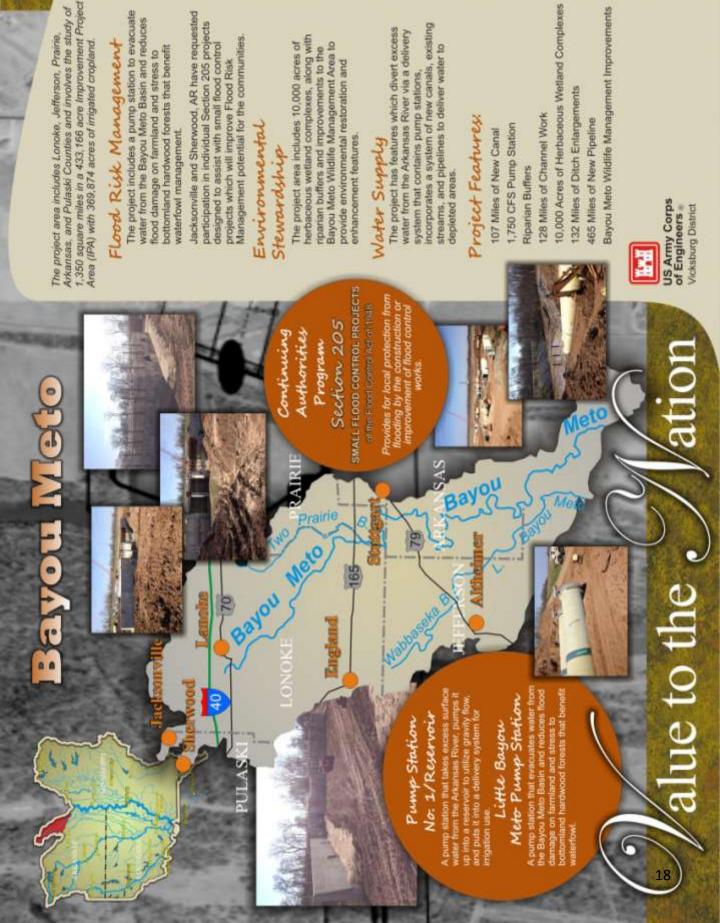
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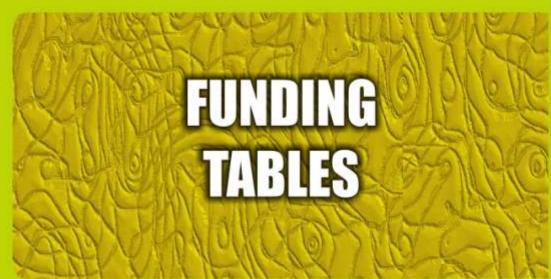
Wetlands

■ Water









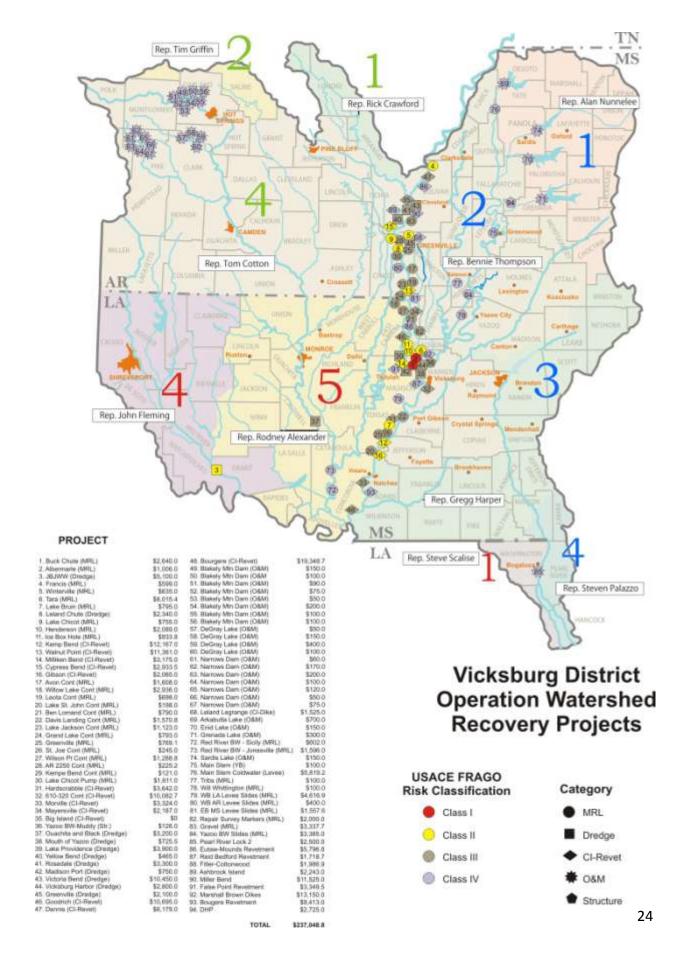
			Contractor It State	0.000		Y 13 WORK	FY 13 WORK IN MISSISSIPPI		
Cong		FY 12	Supplemental	FY 13	House	Senate	Additional		
Distr	Appropriect	Altocations	Allocations	Budget	Amount	Amount	Needs	Total	WORK WHICH COULD BE ACCOMPLISHED WITH ADDITIONAL FUNDS
						E			
Investigations		7.0	123						
LA-1,MS-4 West P.	West Pearl Nav (Deauth)	0	0	0	0	0	100	100	100 Complete recon study directed at deauthorization and disposal of project
Total investigations		0	0	0			100	100	
Construction									
MS-1,2,3,4 Sector	Section 592 Projects	220	a	0	0	0	11,000	31,000	11,000 Fully fund four new projects
CAP									
MS-1,2 McKinn	McKinney Bayou, Tunica Co., MS	463		0	0	0	3,230	3.230	3,230 Fully fund construction
Total Construction		683	0	0			14,230	14,230	
Operation and Maintenance	Prince				100				
	Insp of Completed Works	279	O	361	348	361	300	199	Fully fund lawse salaty and periodic inspections of Red River levees (\$200.0) and Poart River lavess in Pankins Hinds Lavee District (\$100.0)
MS-2 Mouth	Mouth of Yazoo River	38	725	30	8	30	270	300	300 Fund dredging
MS-2 Roseds	Rosedale Harbor	0	3,300	11	11	11	1,739	1,750	7750 Fund dredging
MS-2 Yazoo	Yazoo River, MS	0	0	56	183	26	128	154	154 Fund clearing and snagging
MS-3 Clabor	Claborne County Port	0	0	1	1	-	7.4	75	75 Fund dredging
MS-4 Pearl River	tiver	129	2,500	145	140	145	0	145	145 No additional needs
Total Operation and Maintenance	Maintenance	447	6,525	\$74	250	574	2,511	3,085	
Regulatory Functions		3,750	0	3,750	3,488	3,750	0	3,750	
Flood Control & Coastal Emergency	stal Emergency	190'1	0	544	490	244	æ	573	\$73] To support others/Dops statutory requirements and to enhance preparechasts and responsiveness of EOC and volunteer members during local and national emergencies.
SUBTO	SUBTOTAL REGULAR APPROP	5,961	6,525	4,868	4,532	4,868	16,870	21,738	

Distr					-				
	Appropried	Allocations	Allocations	Budget	Amount	Amount	Needs	Total	WORK WHICH COULD BE ACCOMPLISHED WITH ADDITIONAL FUNDS
ARAT Investigations	igations						I		
S	Cotector & Bludy of Basic Data	0.40	o	170	163	170	2,090	2,250	 2.256 Fully fund objection of essential hydrotopic data used in flood predictions, planning and design of authorized flood control projects across the District (#400.0), aquatic and waker quality monitoring within the Vicksburg District (\$450.0), and continue UDAR mapping in the Vicksburg District (\$1,200.0)
MS-1,2	Big Sunfower Watershed, MB (Quiver Riv)	100	0	0	0	0	300	300	300 Continue tuasibility phase
Total MR&T	Total MR&T Investigations	670		170			2,380	2,550	
MR&T Construction	ruction								
ws.	Mississippi River Levess	18,736	6,693	20,955	10,896	20,055	9,000	23,955	23.855 Award tem 511L
	Channel improvement	25,228	14,075	20,614	19,672	20,014	26,400	47,014	47,014 Fully fand dike construction at Lake Providence. LA-HMARSH 188,000 0), Flacerinck Towknact NGS-FIM 432R (\$4,500.0) and and Wilsow Cucoft. LA-PM-402.8R (\$1,500.0), and construct an upstream extension to the existing reventments at Grand Gulf (\$4,400.0) and Togo stand (\$7,140.0).
MS-1.2	Upper Yazoo Projecta	118	0	o.	0	0	16,850	16,850	16,850 Continue design of hems 7D and 8A (8500 0), luity fund teen 7C, Phase II (\$10,350.0) and Lambdish Sypaes Channel (86,000.0), Instuding construction management.
MS-1.2	Main Stern	25		0	0	0	10	25	25 Montor Shakey Britten bank stabilization
M8-12	Big Surflower River	366	0	0	0	0	1,700	1,700	, 700 Fully fund Seidment Reduction Strummes Phase VI (\$900.0) and continue water quality and sediment and nutrient monitoring (\$900.0).
M8-1,2	Yazoo Backwater-Multi-Agency Imarpretive and Education Center	238	0	0	0	0	3,907	3,907	3,307 Fund construction of the Multi-Agency Interpretive and Education Center
MS-12	Yazoo Backwater Less Rocky	8	0	0	ė.	0	4,576	4,575	4.578 Continue operation of the Greentree Reservoir's for mitigation purposes (\$75.0) and construing purchase of mitigation lands for unincidable environmental losses from previously constructed projects (\$4.400.0)
M5-1,2	Reformulation Study	0	ō	0	0	0	909	900	500 Continue reformulation studies
846-1,2 4	Deta Headwaters Project	5,634	2,725	G.	ō	ō	13,000	13,000	13.000 Fully fund 2 bank stabilization (81,800.0) and 3 rear pipes (\$1,800.0) coreacts; coolinus design efforts (186,600.0) coreacts; coolinus design efforts (186,600.0); construction management (\$8,400.0); and continue site monitoring by NROCSL/SLOS (\$100.0)
Total MR&T	Total MR&T Construction	43,575	23,493	41,569	39,770	41,569	69,957	111,526	

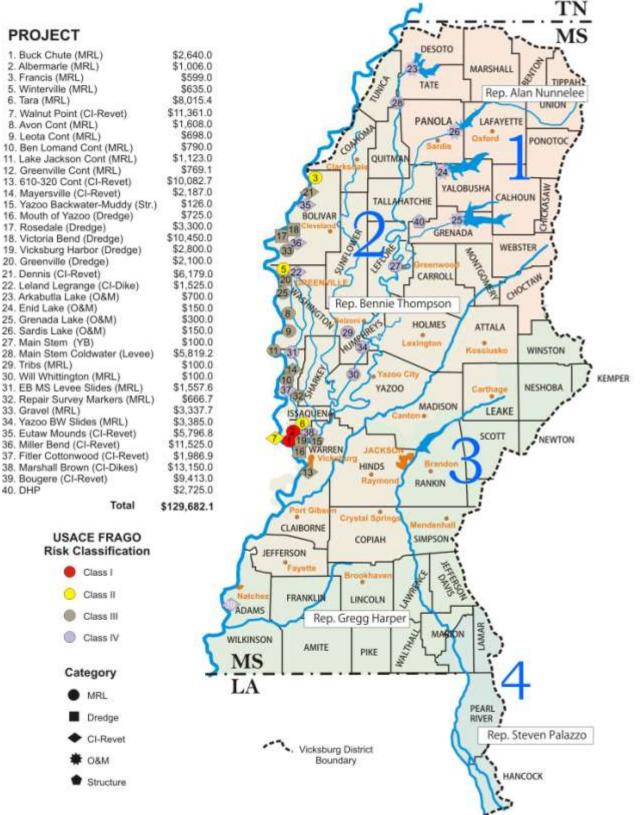
Cong	1	FY 12	Supplemental		House	Senate	Additional	-	
MBAT Maintenance	Approprient	Allocations	Allocations	Bodget	Amount	Amount	Needs	Total	WORK WHICH COULD BE ACCOMPLISHED WITH ADDITIONAL FUNDS
AR, LA, MS	AR, LA, MS Masiesippi River Levers	2,261	5,470	1,690	1,618	1,680	8	1,692	690 No additional needs
AR, LA, MS	AR, LA, MS Bevelments & Dives	14,707	68.330	12,683	12,364	12,683	6,700	10,383	An additional 1570 entoxiated concrete mai (ACM), stone bank paving, and stone repairs
AR, LA, MS * Dredging	Dredging	7,142	4,800	5,023	4.825	5,0023	0	5,023	No additional needs
AR. LA. MS. Macoing	Maccing	398	٥	298	285	308	300	605	Additional mapping assistance for work in the CADD/GIS, topographic, hydrographic, or geospadal annuas.
AR, LA, MS	Frisp of Completed Works	571	0	364	383	364	300	999	Fully fund levne salery (\$100.0), periodic inspections (\$150.0), and Levee Screening Tool (\$50.0)
MS.1	Sardis Laito	6,711	180	5,493 5,493	e a a	6.493	4,870	11,363	Achieve acceptable levels of service (\$90b.0); replace Chear Creek water storage tank & rehab Humbang. Landing water storage tank (\$175.0); realign and rates State Park Road (\$2,150.0); PSS and construction for Paradise Park Parking and Search (\$1,125.0); PSS to replace joint sealing in obtaction distries on the dam (\$65.0); and sandblast and paint intake Structure Bridge (\$285.0); and sandblast and paint intake Structure Bridge (\$285.0).
1.88	Akabulta Lake	4,637	200	5,203	4,961	97079	4,758	196'6	Achieve acceptable teveris of services (\$1,100.0); re-route North Crentiow Spitkery Drop-Intel Drain (\$60.0); construct Pratt Foad to Spitkery Bridge (\$2,115.0); maskd disth culverite at Outlet Charmel (\$100.0); register antiquated public-use restrictura at Bayou Plays and Outlet Boat Rampe (\$200.0);and develop design and modernize Hermando Plain Day Use (\$1,083.0).
MS-1	Еми Саке	4,754	150	4,795	4,590	478	2,361	7,146	7,146 Achteve acceptable lovel of service (§1,040.0), replace join makerist at Outlet Charriet & Stilling Basin Chuie (§200.0); replace cable on overhead crane at Intake Structure (§20.0); blast and paint Emergency Squawy Bridge (§130.0); replace from front dimmage reduction equipment (2 dozens & mini-expression (§440.0); water well Persimmon HII (§440.0); and propare P&S for accessible fishing pleir at Outlet Channel (§50.0).
MS-1	Grenada Lako	5,642	300	5,222	4,999	8.222	2,470	7,692	Achtere acceptable level of services (\$1,005.0); remedial work relief wells (\$600.0); EMD design to technologistic Confer Exhibits (\$150.0); claim additional claims in the process (\$150.0); construct ADA flatning pier at Outlan Channel (\$155.0); replace showethouse at Nath Canyaport (\$150.0); upgrade testinon at Bryant (\$100.0); GISGAPS equipment (\$20.0); pavalter & restricon basch at Overfook (\$175.0).
MS-1,2	Greenwood	906	0	766	754	786	1,925	2,718	2.713 Achieve acceptable levels of service (\$900.0) and for levels salisty relabed work (\$1,125.0)
MS-1.2	Yazoo City	1,174	٥	714	683	714	125	839	839 Fund levee safety related work (\$125.0)
MS-1,2	Main Stens	2.527	3,510	1,273	010,1	1,273	un co co co	3.496	3.486 Achieve acceptable levels of service (31,700.0); maintenance and development of wild ferreligation areas (\$400.0); and levels sately related work (\$125.0).
MS-1,2	Tributaries	1,562		944	904	944	200	1,144	1, 144 Achieve acceptable levels of service (\$200.0)
MS-1,2	Whittington Auxiliary Channel	1,494	o	375	359	375	116	491	491 Achieve acceptable tevers of service (\$116.0)
MS-1,2	Big Surflower Maintenance	981		177	168	441	400	677	677 Maintain acceptable level of service (\$300.0) and continue wetland and aquatic monitoring within the project eres (\$100.0)
MS-1,2	Yazoo Baskwiinr	517	376	119	409	110	1,126	1,636	1,636; Pabrication of expelogs for Brade Bayou strumture (\$1,000.0), maintenance and development of widthe mitigation areas (\$100.0); and conduct HSS inspections of Steels Bayou stoplogs (\$25.0).
	TO SECURE OF THE	18	2,100	83	CA CA	52	1,477	1,500	, Sco Fund maintenance dediging
WS-0	Greenville Harbor, MS	140	0.800	41	08	40	1.160	1 900	2 OVIC Eurol maintainment and arteriories
Total MRAT Maintenance	Maintenance	67 360	-	46.817	44 988	46.647	100.00	22 425	Authoropout
	SUBTOTAL MRAT APPROP	101,506		68,356	84,658	88,188	102,838	191,198	
TOTAL ALL	TOTAL ALL APPROPRIATIONS	107,466	116,704	93,224	09,190	93,054	119,708	212,936	
	Mutil-State Projects								







Vicksburg District Operation Watershed Recovery Projects - Mississippi





Project Fact Sheet Supplemental Funding - PL 112-77

O&M and MR&T, Construction and Maintenance (FRM, NAV)

Location: Throughout the Vicksburg District.

Description: The Mississippi River and Tributaries (MR&T), a legacy flood damage reduction system performed, as designed under tremendous and prolonged pressure from the historic 2011 flood event. It is the Flood or Record for most gauges between Cape Girardeau, MO and the Gulf of Mexico. Not a single life was lost to flooding in the areas across seven states protected by the MR&T system. Since its inception, the MR&T system is credited with preventing \$612 billion, or in excess of half a trillion dollars, in cumulative flood damages. At an investment level of \$14 billion, those savings result in a \$44 return on every \$1 invested. The 2011 flood fight is the first time the total watershed system required operation in a synchronized manner in order to manage the highest level of water it has ever seen.

Issues: Many of our flood control, navigation systems, and other facilities remain in a state of vulnerability and risk as a result of the Flood of 2011 and other Federally declared disasters.

Importance: Flood control systems protect lives and property. Levees hold back floodwaters, river training structures improve navigation, stabilize bends, and reduce maintenance dredging requirements. Revetment construction maintains channel alignment and protects the banks from erosion while numerous other facilities serve the many public needs across the area.

Risk: Subsequent flood seasons will require extreme vigilance and advanced preparedness to ensure safety and security of citizens, infrastructure and industry. Safe and secure Corps facilities, as well as operation of the MR&T system, is required to preserve the Nation's valuable infrastructure investment.

Consequence: Catastrophic damage to the navigation channel, river banks, and adjacent mainline levee is likely to occur if the system is not repaired/constructed as planned. During the Flood of 2011 an estimated 1.4 million residential and commercial structures, 10 million acres of land, as well as 3.6 million people would have been impacted had the MR&T not functioned as designed.



Figure 1. LeLand – LaGrange Damage



Figure 2. Leland – LaGrange Repairs Nearing Completion

Project	Category	FY 12	FY 13	FY 14	FY 15
JBJWW	Dredge	5,100.0	777		
Oua-Black	Dredge	3,200.0			
Mouth of Yazoo	Dredge	725.0			
Lake Providence	Dredge	3,900.0			
Yellow Bend	Dredge	465.0			
Rosedale	Dredge	3,300.0			
Madison Parish Port	Dredge	750.0			
Blakely Mt. Dam	O&M/REC	865.0			
DeGray	O&M/REC	700.0			
Narrows Dam	O&M/REC	775.0			
Pearl River	Struct	2,500.0			
MRL Const	Levees/Struc	6,693.0	25,210.2	975.0	80.0
CI Const	CI	14,075.5	14,415.5	521.0	1277
DHP	Struct	2,725.0			
MRL Maint	Levees	5,470.0	4,442.7		
CI Maint	CI/Dredge	73,130.0	37,037.5	3,323.5	
Yazoo Backwater	Levees/Struc	376.0	3,135.0		
Red River Backwater	Levees	852.0	1,346.0		
Sardis Lake	O&M/REC	150.0			
Arkabutia Lake	O&M/REC	700.0			
Enid Lake	O&M/REC	150.0			
Grenada Lake	O&M/REC	300.0			
Main Stem	Levees	3,510.0	2,409.2		
Tributaries	Levees	1-0-0-0	100.0		
Will Whittington	Levees		100.0		
Greenville	Dredge	2,100.0			

FY 12 shows actual allocations received in FY 12.

Dredge

Harbor

Harbor

Total

Vicksburg

2,800.0

135,311.5 88,196.1 4,819.5

80.0

Acquisition Strategy: Seven MRL items, stone bank paving associated with revetment and stone repairs, Yazoo Backwater Little Sun Borrow, and Main Stem Silver City levee setback contracts are scheduled to be awarded in FY 2013.

Amount That Could Be Used in FY 13: See table.

Project Sponsor/Customer: Mississippi Levee Board, Fifth Louisiana Levee Board, Southeast Arkansas Levee District, Red River Waterway Commission, Ouachita River Valley Association

Congressional Interest: Senate: Boozman and Pryor (AR), Landrieu and Vitter (LA), Cochran and Wicker (MS); House: Crawford (AR-1), Cotton (AR-4), Alexander (LA-5), Thompson (MS-2), and Harper (MS-3).



Figure 3. Walnut Point/Kentucky Bend Damage



Figure 4.
Walnut Point/Kentucky Bend ACM Placed – Placing Stone
Bank Paving

FY 13-FY 15 are current cost estimates of approved work.



Investigations



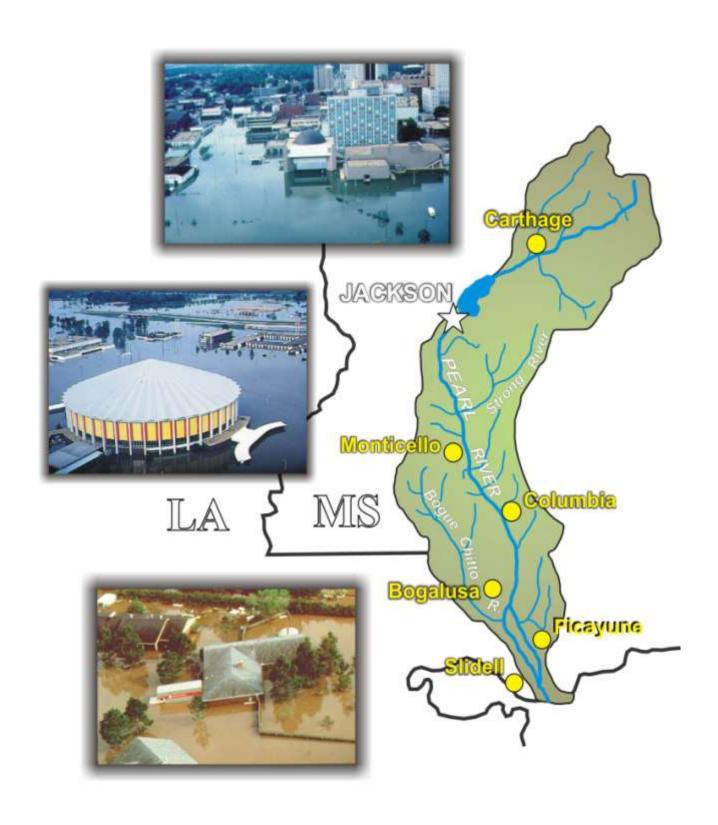
Investigations

The major objective of the Investigations program is to study projects that provide solutions to water resource problems. The Corps undertakes studies in response to directives (authorizations) from Congress. Congressional authorizations are contained in public law and in resolutions of either the House Public Works and Transportation Committee or the Senate Environment and Public Works Committee.

Most studies are conducted in two phases--reconnaissance and feasibility. The reconnaissance phase is fully funded by the Federal Government and is usually completed in 12 months. The purpose is to define the problem, opportunities, and identify potential solutions. It also determines whether or not planning should proceed into the feasibility phase based on a preliminary appraisal of the Federal interest, cost, benefits, and environmental impacts of the identified potential solution. The phase is completed upon the signing of the Feasibility Cost-Sharing Agreement (FCSA) by the Corps and a project sponsor.

The feasibility phase can take up to 3 years to complete and is cost shared equally between the Federal Government and the non-Federal sponsor. The report results in recommendations to Congress for or against Federal participation in solutions to the water resource problem and opportunities identified in the study. A recommendation for Federal participation identifies a recommended plan/project, generally for construction authorization and funding.

The Preconstruction, Engineering and Design Studies (PED) phase of project development encompasses all planning and engineering necessary for project construction, after release of the report and Division Engineer's public notice on a favorable study. Preparation of design memorandums and plans and specifications will be cost shared in accordance with the cost sharing required for project construction.



Pearl River Watershed, MS



Project Fact Sheet Pearl River Watershed, MS

Water Resources Development Act of 2007, Sec 3104

Investigations (FRM)

Location: The study area consists of that portion of the Jackson, Mississippi, metropolitan area below the Ross Barnett Reservoir dam which is subject to flooding from the Pearl River.

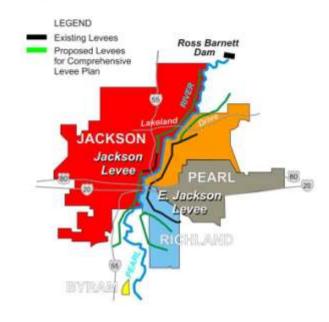
Description: The Jackson Metropolitan Area, a primary regional economic center, suffers annual flood damages attributable to the Pearl River of approximately \$12 million. The flood of record occurred in 1979 causing \$440 million in damages in today's dollars.

Issues: The Rankin-Hinds Pearl River Flood and Drainage Control District (RHPRFDCD), non-Federal sponsor for the project, has recently indicated they plan to pursue the project under Section 211 of WRDA 1996 with a third party (Pearl River Vision Foundation) conducting the study for them. RHPRFDCD confirmed their intent to pursue studies of a one-lake plan under Section 211 in a meeting with the Vicksburg District on 25 August 2011 and by letter dated 12 September 2011. Under Section 211, the non-Federal sponsor must reimburse the Corps for any technical assistance provided. A Memorandum of Agreement between the Corps and the RHPRFDCD was signed on 19 July 2012.

Importance: Jackson, MS, is the primary regional economic center in the state.

Risk: A major flood could cause catastrophic damage to the area and result in millions of dollars of damages and possible loss of life.

Consequence: Under this authority, the sponsor conducts the study, constructs the project, and seeks reimbursement for the Federal share of the project after project construction. The sponsor assumes all risk for the project, and there is no guarantee of reimbursement.



Pearl River Basin Jackson Metro Area

Activities for FY 12: All existing funding was utilized in FY12 to develop and execute the Section 211 Memorandum of Agreement (MOA). Any technical assistance from the Corps in FY 13 will be on a cost-reimbursable basis from RHPRFDCD per the MOA.

Acquisition Strategy: N/A

Amount That Could Be Used in FY 13: None.

Project Sponsor/Customer: Rankin-Hinds Pearl River Flood and Drainage Control District

Congressional Interest: House: Thompson (MS-2), Harper (MS-3); Senate: Cochran and Wicker (MS).

Phase	Estimated Federal Cost of Phase	Federal Funding Thru FY 11	FY 12 Allocation	FY 13 Budget	FY 13 Total Capability
Feasibility	N/A	N/A	N/A	N/A	N/A



West Pearl River Navigation, LA and MS



Project Fact Sheet West Pearl River Navigation, LA and MS

Section 216, FCA 1970

Investigations (NAV)

Location: The West Pearl River Navigation project is located in southeast Louisiana and south Mississippi.

Description: The project was authorized by the Rivers and Harbor Act of 1935. The project, which began in 1938 and was completed in 1956, was designed to provide a minimum depth of 7 feet for navigation from the mouth of the West Pearl River to the vicinity of Bogalusa, LA, a distance of approximately 58 river miles. The project is divided into two open river sections and an approximate 20-mile canal section that includes three locks. Sills across the Bogue Chitto River, the Pearl River, and an unnamed creek maintain navigable depths in the canal section. This study is directed at deauthorization and disposal of the project.

Issues: The Pearl River Navigation project has exceeded its 50-year project life and has no commercial traffic. Efforts to reopen the waterway by the Vicksburg District in the mid-1980s to early 1990s by performing needed maintenance dredging were opposed by noncommercial groups. Maintenance dredging was last performed in 1988 and 1989. The last recorded barge movements occurred in 1991. In 1995, environmental litigation seeking declaratory and injunctive relief was filed, and the Corps was enjoined from dredging. In 1995, Congress officially placed the project in "caretaker" status by directing the limited project funds be used for maintenance of caretaker status. The project is in an unmanned caretaker status at this time. An Initial Appraisal Report was prepared recommending deauthorization of the project.

Importance: Funds have been requested for a New Start reconnaissance study directed at deauthorization and disposal of the project.

Risk: Recent engineering assessments completed for the lock facilities indicated that the sheet pile lock walls are rapidly corroding.

Estimated Federal FY 13 FY 13 Phase Federal Funding Thru Cost of Phase FY 12 Budget Total Capability Reconnaissance \$100,000 \$0 \$0 \$100,000

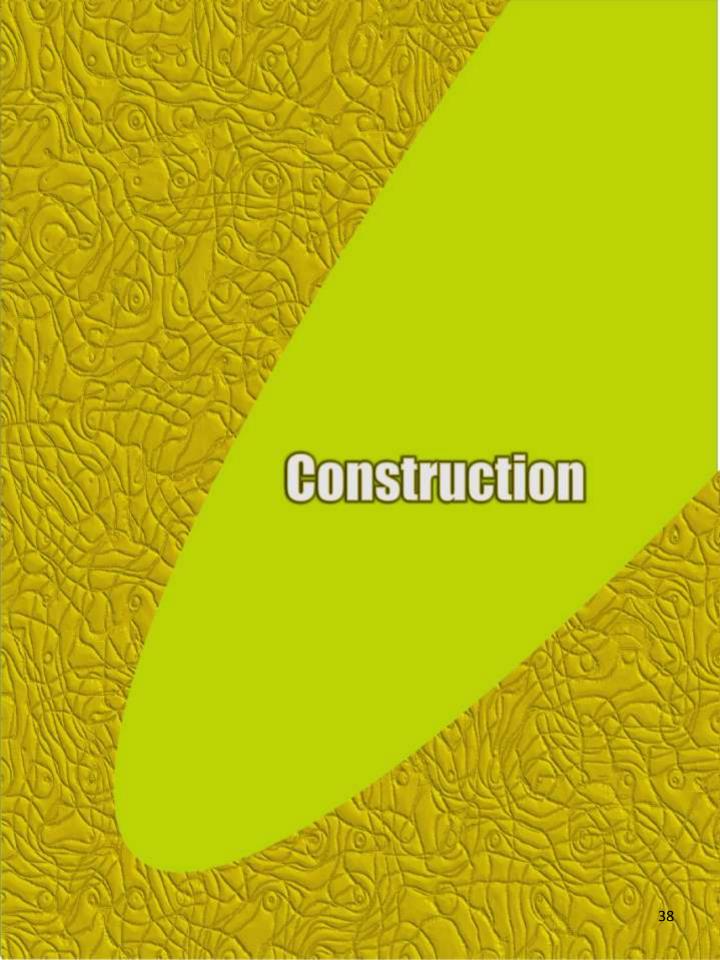
Consequence: Locks are deteriorating and are potentially unsafe.

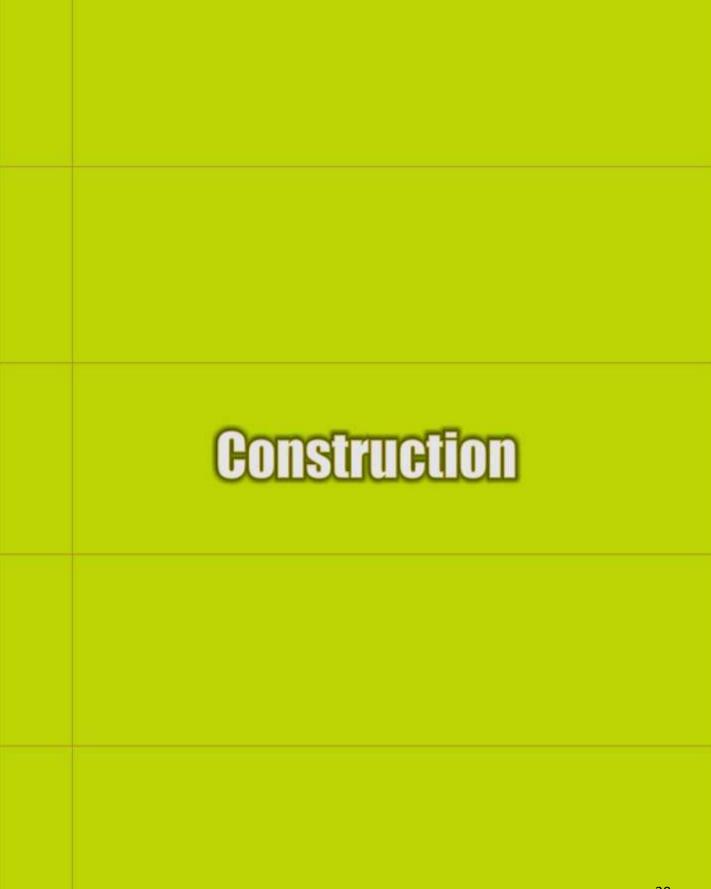


Amount That Could Be Used in FY 13: Funds in the amount of \$100,000 could be used to complete a reconnaissance study directed at deauthorization and disposal of the project.

Project Sponsor/Customer: N/A

Congressional Interest: Senate: Landrieu (LA) and Cochran (MS); House: Palazzo (MS-04).







Construction

The main objective of a construction program is to complete authorized and appropriated projects as economically and quickly as practicable within program constraints and consistent with national priorities.

Under the provisions of a cost-shared project, prior to initiation of construction, the non-Federal sponsor and the government enter into a Project Partnership Agreement (PPA). The PPA describes all of the requirements and responsibilities relating to construction of the project including items of local cooperation required from the non-Federal sponsor.



592 Projects, MS



Project Fact Sheet

Mississippi Environmental Infrastructure, MS (Section 592)

Sec 592, WRDA 99; Sec 120, E&WDAA 2004; Sec 101, CAA 2005; Sec 5097, WRDA 07; Sec 110, E&WDAA 2010

Construction (WS)

Location: Projects are located in multiple towns, cities, and municipalities throughout the State of Mississippi.

Description: The Mississippi (Section 592) project provides environmental infrastructure assistance to communities throughout the State of Mississippi. This includes project design and construction assistance for wastewater treatment and related facilities, combined sewer overflows, water supply and storage and related facilities, environmental restoration, and surface water resource protection and development.

Issues: The Section 592 program provides communities, associations, and municipalities in the State of Mississippi with the much needed funding to upgrade and replace environmental infrastructure systems listed under the above program description.

Importance: The 592 program is a 75/25 cost share, reimbursed to the sponsor. As part of the program, the Vicksburg District provides limited design review, National Environmental Policy Act compliance, construction inspection, and invoice processing for reimbursements. These costs, while a part of the total project costs, are not covered in the obligated amounts for construction.

Risk: Without the assistance of the Section 592 program the majority of the towns, cities, and municipalities will remain noncompliant and in violation of both state and Federal laws concerning environmental infrastructure.

Consequence: A future without the Section 592 program jeopardizes the safety and health of Mississippi's fragile clean water supply, storage, wastewater treatment, and other environmental issues.



Activities for FY 13: Carryover funds are being used for management in support of ongoing projects. Funds of \$11,000,000 could be used to fully fund four new projects.

Acquisition Strategy: None.

Project Sponsor/Customer: Multiple

Congressional Interest: Senate: Wicker and Cochran (MS); House: Nunnelee (MS-1), Thompson (MS-2), Harper (MS-3), Palazzo (MS-4).

Phase	Estimated Federal Cost of Phase	Federal Funding Thru FY 12	FY 13 Budget	FY 13 Total Capability
Construction	\$200,000,000	\$120,970,000	\$0	\$11,000,000

MANUFACTURE TO SECURE THE SECURE	Se	ction 592 Pro	gram	ne sometimen	11 942111	ricksmines (***)		
ARRA Projects Project Name	County	Congressional	Total Cost (\$000)	Total Non-Federal Cost (\$000)	Total Federal Cost (\$000)	PCA/PPA Executed/ Amended	Scheduled Completion	Status
Completed Projects Coshoma County, City of Clarisidale sewer and water extension and sewer rehabilitation	Соећота	Thompson	\$9,401.7	\$2,358.0	\$7,073.6	04/hips-04 15-Jul-10	FY12	
Guifport, City of designificatation of water supply system improvement	Harrison	Patistao	\$5,200.0	\$1,300.0	\$3,990.0	18-Aug-03	EADR (V)	
Helena, City of design/netatation of sever system and water supply system	Jackson	Palazzo	\$3,700.0	\$425.0	\$2,775.0	18-Aug-03	FYD8 (A)	
Maction Courty Wastewater Authority Development of severge made; plan for westewater needs	Machicon	Thompson	\$17,747.3	\$4.496.8	\$13,310.5	30-Sep-03	FY 15 (A)	
McCoret. City of surface water rescurse protection improvements	Place	Haper	\$2,101.8	\$548.0	\$1,645.0	20-Apr-00	FY:12	
MS Culf Cusel Community College, Perkinston, MS replace water, sewer, atom drainage, and legion systems	Stone	Paragram	\$5,201.0	\$800.2	\$2,400.6	29-34-04	FYDE (A)	
Poayune, City of upgrade existing sewage treatment plant	Pearl River	Palazzo	5764.2	\$101.0	\$875.2	03-Feb-011	PV 05 (A)	
Fochard, City of improve the water system	Ranson	Harper	\$1,810.7	5452.7	\$1,35e.0	20-Apr-05	FY 10 (A)	
vicesburg, City of installation of new water wells	Wanen	Thompson	\$2,276.3	8560 t	\$1,707.2	00-Sep-03	PY (SF (A)	
West Rarwin Unity Authority westewater sewage treatment	Ramen	Harper	\$4,080.0	\$1,000.0	\$3,060.0	30-Jan-06	FY 10 (A)	
Physically Complete Projects		-						
Philadelphia Utilities constrivator storage tank, rehab water tank, rehab-sewer system	Neshobe	Нарег	\$4,266 6	\$1,067.4	83,362.2	20-Apr-05 20-May-10	Aug-13	Coseout in Progress
Wiggins, City of sanitary sever upgrade	Stone	Palezzio	\$1,810.8	\$482.7	\$1,356.1	30-Jun-05 35-Aug-08	Ap13	Cosecut in Progress
Active Projects Blos. City of asser expension Phase 1 of Eagle Point/Woolmanum	Harrison	Fallatio	\$2,567.5	\$646.3	\$1,940.0	19-Jan-10	TBO	Design Underway
Brooklyn Utility Sawage Debrict centralized washwater system	Fortest	Patazzo	\$3,485.0	8875.2	\$2,613.6	19-Aug-08	Aug 14	Conet Ongoing
Cirkentous, City of auritace water resource protection improvements	Lownday	74annerus	\$1,4007	E350 J	\$1,000.0	25-Jan-10	Marchit	Design Underway
Cruger, Town of update water supply	Horres	Thompson	5610.0	\$1547	8464.3	26-Apr-05	Nov-13	Const Ongoing
Cultin Water District Improvements to the water system	Wanen	Thompson	\$1,561.0	\$310.3	\$1,170.7	20-Apr 05 10-Sep-08	Jan-14	Design Def NFS correcting
ranse, City of sewer system rehabilitation	Sout	Нагрег	\$7,862.6	\$1,970.6	55,912.0	26-Apr-05 01-Dec-08 22-Apr-11	Sep-14	Const Ongoing
Greenwood, City of 34-inch sewer force main replacement	Leftore	Thompson	\$2,2687	1667.2	\$1,701.6	26-Jan-10	Ju-13	Const Ongoing
Hattiesburg, City of design and installation of sever system improvements	Forrest	Palazzo	\$5,191.6	\$1,297.9	\$3,693.7	17-Apr-08	Dec-13	Const Ongoing

APRA Projects Project Name	County	Congressional	Total Cost (5000)	Total Non-Federal Cost (\$300)	Total Federal Gost (3000)	PCA/PPA Executed Amended	Scheduled Completion	Status
Hivernie Water Association, inc. water system improvements	Wayne	Parist20	\$1,101.0	1275.2	1625.6	22-5ep-10	Dec-14	Design Underway
Jackson County Utility Authority weeklewater collection and francemeans system	Jackson	Panazo	\$7,941.5	\$1,985.4	\$5,996.1	24-Nov-09 24-Aug-10	Ap14	Design Underway
Macon, City of www.tevaster.breatment.ayatem.replace/Improve	Témuboe	Harper	85,132 4	8783/1	\$2,549.3	39-Mar-78 23-Sep-09	May-14	Design Underway
Mose Point, City of server infrestructure rehabilitation and repair	Jackson	Palecas	\$4,570.0	\$1,101	\$3,427.0	25-Mar-10	TOB	Design Underway
National, City of surface improvements	Adams	Herper	\$12,463.1	\$3,113.3	\$9,330.6	20-Apr-08 25-Jun-10	Mar-14	Const Origong
Ocean Springs, City of sever system returnation	Jackson	Pallaceo	54,045.0	\$1,011.2	\$3,033.6	22-Sep-10	Apr-14	Const Ongoing
Olive Branch, City of design coneined interceptor, sever rehabilitation	Desoto	Namere	\$14,649.9	\$3,662.5	\$10,087.4	06-Dec-04	Aug-13	Coingout
Pascagours, City of improvements to municipal sewer system	Jackson	Pulação	82,120.0	8630.8	81,596.0	20-5ep-03	Mic-14	Crosing out
Pearl River County Improvements to county WWTF at Millerd	Pearl River	Patazzo	5000 8	E250.5	5690 6	19-Jen-10	Apr-14	Design Underway
Feel River Valley Water Bupply District westerader system improvements	Ramin	Harper	55 995 1	\$1,488.8	\$4,486.3	10-Sep-18	190	Design Underway
Festington Community of waterweit installation	Hancook	Paliszo	\$1,899.0	\$474.8	\$1,424.2	11-Mar-10	TBD	NFS tissues w/Engr
Port Glovon, City of water distribution system improvements	Cattorne	Thompson	\$1,3465	\$336.6	\$1,009.9	16-Mar-10	39.14	Design Underway
Roman, Town of design/restation of sever system extension and voter well	Perry	Patazzo	12,025.1	1508.3	\$1,516.8	3-Sep 01	Dec-13	Const Ongoing
Summit, Town of assert system improvements	Pike	Herper	54058	\$101.4	1304.4	20-Apr-05 14-Dec-09	TRD	Design Underway
Tupeto, City of surface water resource improvements	Line	Numero	\$6,263.7	\$2,073.4	\$6,220.3	12-May-06 23-Sep-09	TBD	Design Underway
Vickeburg, City of #C material new water line	Warren	Thompson	\$3,2715	\$817.9	\$2,453.6	17-Sep-10	Jul-18	Design Underway
Waveland, East Jeff Davis Avenue aswer system improvements	Henook	Prosess	\$606.0	1206.5	3618.5	25-Man-10 22-Apr-11	Aup.14	Design Underway
Waveland, West Jeff Davis Avenue sewer system improvements	Hancock.	Pwincen	\$1,006.1	1252.0	8756 1	22 April 1	Ap.14	Design Underway
Waveland, Cuthide Street sower system improvements	Hancock	Patazan	5762-1	\$195.5	\$586.0	22-Apr-11	Aup.14	Design Underway

ARRA Projects Project Name	County	Congressional	Total Cost (\$550)	Total Non-Federal Cost (\$000)	Total Federal Cost (\$000)	PCA/PPA Executed Amended	Scheduled Completion	Status
Wereitans, Connector sewer system ingrovements	Hanoxie	Palazzo	85,007.2	12743	8622.0	22 Apr-11	Agit	Design Underway
West Plankin UBIty Authority AD westersited force main regresement	Ramin	meter	\$6,825.0	\$2,296.3	\$6,010.7	25-Feb-10	ApH	Const Onguing
Total			\$156,756.6	\$36,679 1	\$119,037.6			

The 8 Authorities of the Continuing Authorities Program (CAP)

Section 14

Emergency Streambank & Shoreline Protection - Flood Control Act of 1946 as amended by WRDA 1996

This authority is to prevent erosion damages to highways, bridge approaches, public works, and other nonprofit public facilities by the emergency construction or repair of streambank and shoreline erosion protection. These are two-phase projects: Study cost for the first \$100,000 is 100% Federal with any amount over \$100,000 cost-shared 50% Federal and 50% non-Federal. Implementation costs are cost-shared 65% Federal and 35% non-Federal with a Federal funding limit of \$1.5 million per project and a national program limit of \$15 million.

Section 107

Small Navigation Projects - River and Harbor Act of 1960

This authority provides improvement to navigation including dredging of channels, widening of turning basins, and construction of navigation aids. These are two-phase projects: Study cost for the first \$100,000 is 100% Federal with any amount over \$100,000 cost-shared 50% Federal and 50% non-Federal. Implementation costs are cost-shared 80% Federal and 20% non-Federal with a Federal funding limit of \$7 million per project and a national program limit of \$35 million.

Section 205

Small Flood Control Projects - Flood Control Act of 1948 as amended by WRDA 1999

This authority for local protection from flooding by the construction or improvement of flood control works such as levees, channels, and dams. Nonstructural alternatives are also considered. These are two-phase projects: Study cost for the first \$100,000 is 100% Federal with any amount over \$100,000 cost-shared 50% Federal and 50% non-Federal. Implementation costs are cost-shared 65% Federal and 35% non-Federal with a Federal funding limit of \$7 million per project and a national program limit of \$55 million.

Section 206

Aquatic Ecosystem Restoration - Water Resources Development Act of 1996, as amended by WRDA 1996

This authority provides for restoration of degraded aquatic ecosystems. A restoration project is adopted for construction only after investigation shows that the restoration will improve the environment , and/or elements and features of an estuary is in the public interest, and is cost effective. These are two-phase projects: Study cost for the first \$100,000 is 100% Federal with any amount over \$100,000 cost-shared 50% Federal and 50% non-Federal. Implementation costs are cost-shared 65% Federal and 35% non-Federal with a Federal funding limit of \$5 million per project.

Section 1135

Project Modification for Improvements to the Environment - Water Resources Development Act of 1986 as amended by WRDA 1996 and WRDA 1999

This authority provides for ecosystem restoration through modification to Corps structures or operation of Corps structures or implementation of restoration features when the construction of Corps projects has contributed to degradation of the quality of the environment. These are two-phase projects: Study cost for the first \$100,000 is 100% Federal with any amount over \$100,000 cost shared 50% Federal and 50% non-Federal. Implementation costs are cost-shared 75% Federal and 25% non-Federal with a Federal funding limit of \$5 million per project and a national program limit of \$40 million.

Section 208

Snagging and Clearing for Flood Control- Flood Control Act of 1954

This authority provides improvements for flood control by removing accumulated snags and other debris, and clearing and straightening of the channels in streams in the interest of flood control. Study cost for the first \$100,000 is 100% Federal with any amount over \$100,000 cost-shared 50% Federal and 50% non-Federal. Implementation costs are cost-shared 65% Federal and 35% non-Federal with a \$500,000 Federal limit. This Federal cost limitation includes all project-related costs for feasibility studies, planning, engineering, construction, supervision, and administration.

Section 204

Ecosystem Restoration Projects in Connection with DredgingWater Resources Development Act of 1992, as amended

This authority provides for protection, restoration, and creation of aquatic and wetland habitats in connection with construction and maintenance dredging of an authorized project. Study cost for the first \$100,000 are 100% Federal with any amount over \$100,000 cost shared 50% Federal and 50% non-Federal. Implementation costs are cost-shared 75% Federal and 25% non-Federal.

Section 111

Mitigation of Shore Damages- Water Resources Development Act of 1968, as amended

This authority provides for the prevention or mitigation of erosion damages to public or privately owned shores along the coastline of the United States when these damages are a result of a Federal navigation project. This authority cannot be used for shore damages caused by river bank erosion or vessel-generated wave wash.

It is not intended to restore shorelines to historic dimensions, but only to reduce erosion to the level that would have existed without the construction of a Federal navigation project. Cost sharing may not be required for this program. If the Federal cost limitation is exceeded, specific Congressional authorization is required.

Study cost for first \$100,000 is 100% Federal with any amount over \$100,000 cost shared 50% Federal and 50% non-Federal. Implementation costs are cost-shared 65% Federal and 35% non-Federal with a Federal funding limit of \$5 million per project.



Project Fact Sheet McKinney Bayou, Tunica County, MS

Section 205 of the Flood Control Act of 1948 (CAP)

Construction (CAP) (FRM)

Location: The project is located in northeast Tunica County, Mississippi, and includes the entire McKinney Bayou Watershed.

Description: This area functions as a flood control and water management system for a 43-square-mile basin. Significant changes within the watershed due to extreme pressures caused by improved agricultural technology and tremendous urban growth have contributed to frequent flooding resulting in both agricultural and structural damages.

Issues: Flooding has become so frequent and at such critical times that water resource improvements in the watershed are needed. The prolonged periods of inundation, in addition to causing infrastructure and agricultural damages, are causing environmental damages. Future plans and projections for the McKinney Bayou watershed forecast continued growth for this study area.

Importance: The prolonged periods of inundation, in addition to causing infrastructure and agricultural damages, are causing environmental damages.

Risk: There are approximately 10,150 acres currently flooded by the existing 100-year flood event.

Consequence: Without additional funding, design efforts for flood risk management will cease and continued flooding in the area can be expected.



McKinney Bayou

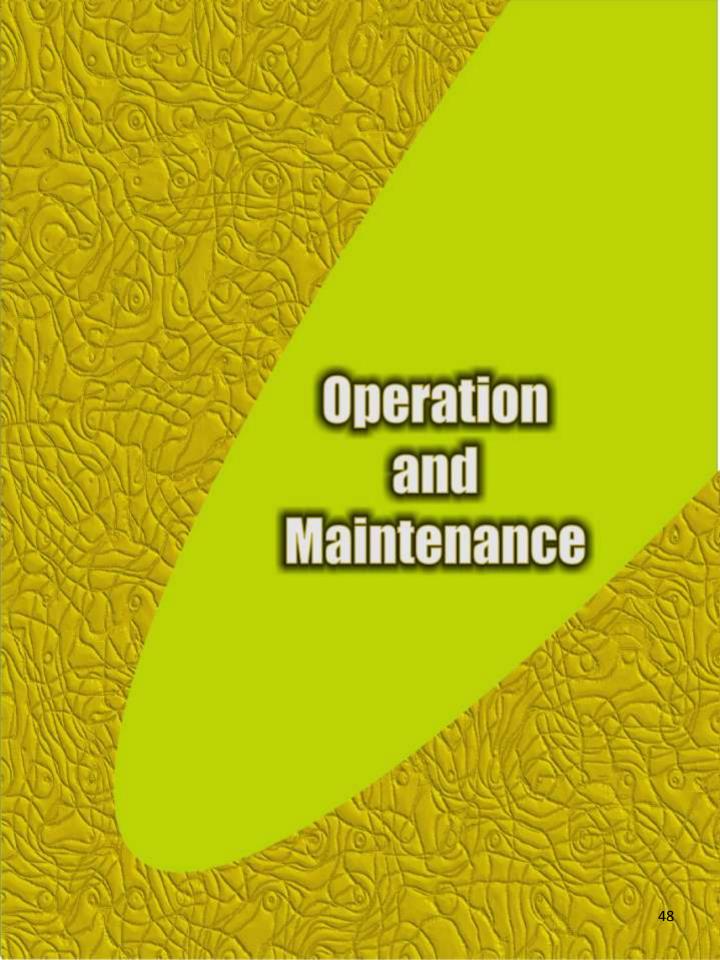
Activities for FY 13: Funds are being used for design.
With additional funding in FY 13, design could be completed and a construction contract awarded in FY 14.

Acquisition Strategy: No contracts are scheduled to be awarded in FY 13.

Project Sponsor/Customer: Tunica County Soil and Water Conservation District

Congressional Interest: Senate: Cochran and Wicker (MS); House: Thompson (MS-2).

Phase	Estimated Federal	Federal Funding	FY 13	FY 13 Total
	Cost of Phase	Thru FY 12	Allocation	Capability
Design &Implementation	\$4,093,000	\$663,000	\$200,000	\$500,000







Operation & Maintenance (O&M)

The Operation and Maintenance program focuses on the need to preserve the existing Civil Works Infrastructure such as locks, dams, navigation channels, recreation facilities and provide adequate levels of service.





Rosedale Harbor, MS



Project Fact Sheet Rosedale Harbor, MS

River and Harbor Act of 1960, Section 107

Operation and Maintenance (NAV)

Location: Rosedale Harbor is a slack-water, shallow draft harbor located along the Mississippi River in Bolivar County, MS.

Description: The harbor channel is 2.7 miles long by 150 feet wide and the turning basin is 1,000 feet long and 400 feet wide. Both the harbor channel and turning basin have a maintained minimum depth of 9 feet.

Issues: Depending on river stages, the harbor experiences low-water conditions starting in July and lasting through November of each year. Maintenance dredging allows this port to continue shipping during these stages.

Importance: The harbor provides a transportation need for water-oriented industries in Bolivar County, MS. It sustains approximately 325 jobs.

Risk: If dredging is not performed, this harbor will first begin to "light load" barges, in which barges will not be loaded to full capacity resulting in less efficient transportation. As the river continues to fall, there will not be enough water for the towboats to carry these barges to the river and the harbor will be required to close. Without maintenance dredging funds, this harbor will lose project dimensions during the busiest time of the year when crops are harvested and shipped.

Consequence: The loss of a dependable, reliable and safe harbor will have significant adverse impacts on the region due to the increased shipping costs by rail and trucks. Many small communities and farmers will be forced to seek other more costly means to move their products. Harbor employees along with the business located in the harbor would be laid off.



Rosedale Harbor

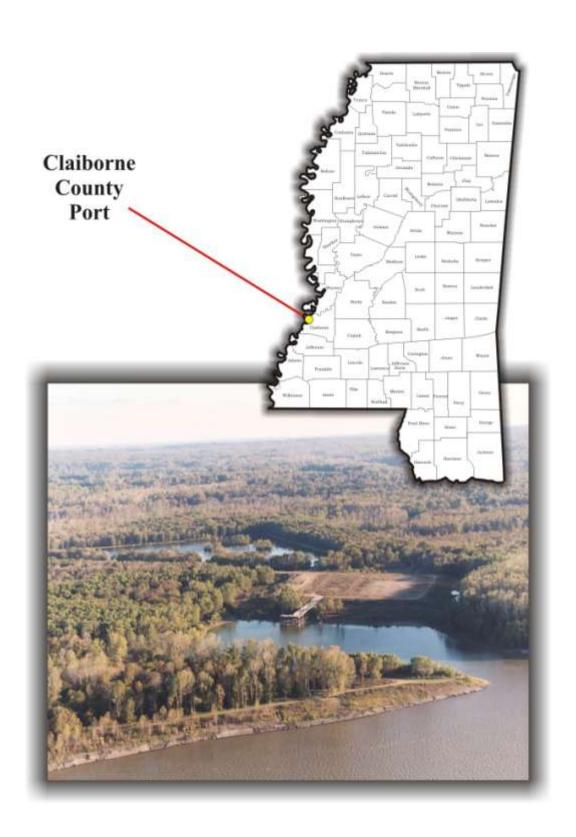
Activities for FY 13: Budgeted funds will be used for surveys. Additional funds of \$1,739,000 could be used for dredging.

Acquisition Strategy: None.

Project Sponsor/Customer: Rosedale-Bolivar County Port Commission

Congressional Interest: Senate: Cochran and Wicker, House: Thompson (MS-2).

	FY 13	FY 13
Phase	Budget	Total Capability
O&M	\$11,000	\$1,750,000



Claiborne County Port, MS



Project Fact Sheet Claiborne County Port, MS

River and Harbor Act of 1960, Section 107

Operation and Maintenance (NAV)

Location: Claiborne County Port, located in Claiborne County, MS, is a slack-water, shallow draft port located along the Mississippi River.

Description: The entrance channel is 800 feet long by 150 feet wide and maintained to a minimum depth of 9 feet. The turning basin is 800 feet by 400 feet and maintained to a minimum depth of 9 feet.

Issues: Depending on river stages, the port experiences low-water conditions starting in July and lasting through November of each year. Maintenance dredging allows this port to continue shipping during these stages.

Importance: The port provides a transportation need for water-oriented industries in Claiborne County, MS.

Risk: If dredging is not performed, this port will first begin to "light load" barges, in which barges will not be loaded to full capacity resulting in less efficient transportation. As the river continues to fall, there will not be enough water for the towboats to carry these barges to the river and the port will be required to close. Without maintenance dredging funds, this port will lose project dimensions during the busiest time of the year when crops are harvested and shipped.

Consequence: The loss of a dependable, reliable and safe port will have significant adverse impacts on the region due to the increased shipping costs by rail and trucks. Many small communities and farmers will be forced to seek other more costly means to move their products. Port employees along with the business located in the harbor would be laid off. The port was closed for 214 days in 2012 due to low water. The port did not have the depth required for navigation from 30 May through 29 December 2012. Navigation was lost when the Vicksburg gauge was below 15 feet.



Claiborne County Port

Activities for FY 13: Budgeted funds will be used for surveys. Additional funds of \$74,000 could be used for dredging.

Acquisition Strategy: No contracts are scheduled to be awarded in FY 13.

Project Sponsor/Customer: Claiborne County Port Commission

Congressional Interest: Senate: Wicker and Cochran, House: Thompson (MS-2)

Phase	FY 13 Budget	FY 13 Total Capability
O&M	\$1,000	\$75,000



Pearl River, LA and MS



Project Fact Sheet Pearl River, LA and MS

River and Harbor Act of 1935, as modified by River and Harbor Act of 1966

Operation and Maintenance (NAV)

Location: The Pearl River Navigation project is a navigation channel on the Pearl River that originally extended 58 miles from the mouth of the Pearl River to the mouth of Bogalusa Creek at Bogalusa, LA.

Description: The project consisted of three locks and three weirs that provided a channel with minimum depth of 7 feet and a minimum bottom width of 100 feet. The project was placed in a caretaker status in 1995 and has been maintained only for maintenance and safety needs.

Issues: The Pearl River Navigation project has exceeded its 50-year project life and has no commercial traffic. Efforts to reopen the waterway by the Vicksburg District in the mid-1980s to early 1990s by performing needed maintenance dredging were opposed by noncommercial groups. Maintenance dredging was last performed in 1988 and 1989. The last recorded barge movements occurred in 1991. In 1995, environmental litigation seeking declaratory and injunctive relief was filed, and the Corps was enjoined from dredging. In 1995, Congress officially placed the project in "caretaker" status by directing the limited project funds be used for maintenance of caretaker status. The project is in an unmanned caretaker status at this time. An Initial Appraisal Report was prepared recommending deauthorization of the project

Importance: Funds have been requested for a New Start reconnaissance study directed at deauthorization and disposal of the project.

Risk: Recent engineering assessments completed for the lock facilities indicated that the sheet pile lock walls are rapidly corroding.

Consequence: Locks are deteriorating and are potentially unsafe.



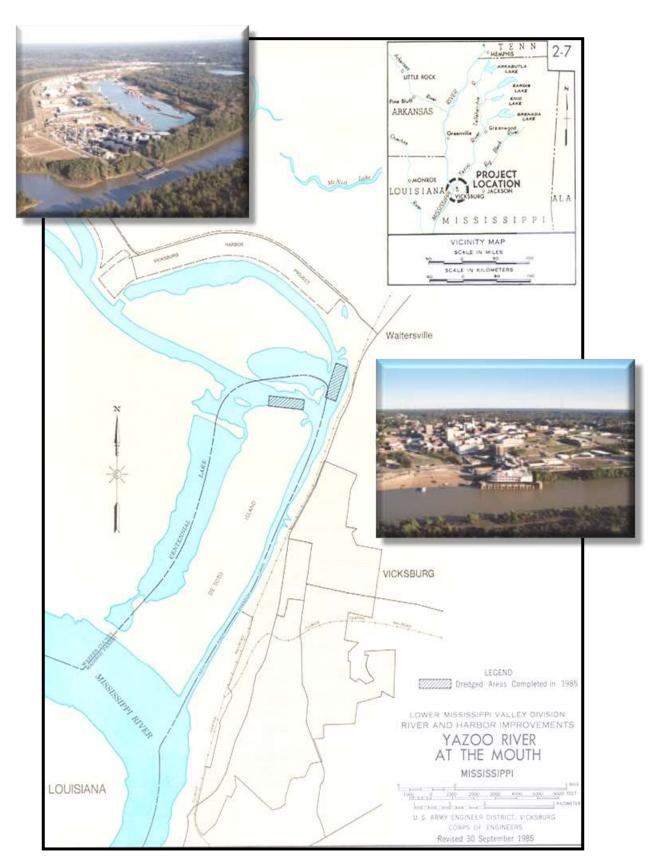
Lock 3

Activities for FY 13: Budgeted funds are being used to maintain project in a caretaker status. Supplemental funds are being used to mitigate the damage at Lock 2 that resulted from overtopping of the lock chamber after Hurricane Isaac.

Acquisition Strategy: None.

Congressional Interest: Senate: Landrieu and Vitter (LA); House: Palazzo (MS-4).

Phase	FY 13 Paylort	FY 13 Total Capability	
O&M	\$145,000	\$145,000	



Mouth of the Yazoo River, MS



Project Fact Sheet Mouth of Yazoo River, MS

River and Harbor Act of 1960, Section 107

Operation and Maintenance (NAV)

Location: Mouth of Yazoo River starts at the Mississippi River and continues for 9.3 miles to the junction of Old Mississippi River and Yazoo River at Vicksburg, Mississippi.

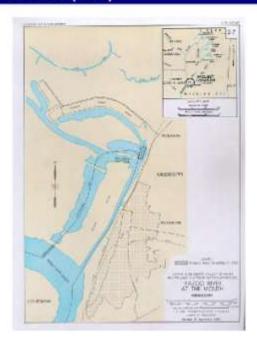
Description: The channel is 150 feet wide, and a minimum operating depth of 9 feet below the lowest water of record is maintained in the channel.

Issues: Without maintenance dredging, this entrance channel will lose project dimensions requiring the Yazoo River and the Vicksburg Harbor to be shut down during the busiest time of the year when crops are harvested and shipped.

Importance: The project's purpose is to provide access to the Yazoo River, and upper Vicksburg Harbor, and the Vicksburg Harbor.

Risk: Loss of project depths will have significant adverse impacts on the region due to increased shipping costs by rail and trucks. The Mat Sinking Unit and the dredge Jadwin anchor in the Vicksburg Harbor and their access to the Mississippi River during low-water stages could be impeded.

Consequence: Approximately 3,855 employees with payrolls over \$80 million could be affected if dredging is not performed. There are 24 businesses and industries located on the Mississippi River harbors.



Activities for FY 13: Budgeted funds will be used for surveys and minimal dredging. Additional funds of \$270,000 could be used for dredging.

Acquisition Strategy: None.

Project Sponsor/Customer: Vicksburg Port

Congressional Interest: Senate: Cochran and Wicker;

House: Thompson (MS-2),

	FY 13	FY 13
Phase	Budget	Total Capability
O&M	\$30,000	\$300,000



Yazoo River, MS



Project Fact Sheet Yazoo River, MS

Water Resources Development Act of 1986

Operation and Maintenance (NAV)

Location: The Yazoo River provides navigation from Mouth of the Yazoo River, Vicksburg, MS, to Greenwood, MS.

Description: Clearing and snagging of the channel provides a clear channel to Yazoo City, MS. The project depth of 9 feet is authorized but not dredged, to Greenwood, a distance of over 158 miles. All work is done at or near the Vicksburg Harbor just above the Mouth of the Yazoo River.

Issues: Without maintenance funds, the project would become hazardous to navigation due to log jams and snags.

Importance: The project meets a transportation need of water-oriented industry from Greenwood to Vicksburg.

Risk: The river services many small communities and farmers in the Mississippi Delta.

Consequence: Approximately 3,855 employees with payrolls over \$80 million could be affected if dredging is not performed. There are 24 businesses and industries located on the Mississippi River harbors.



Yazoo River

Activities for FY 13: Budgeted funds will be used for clearing and snagging. Additional funds of \$128,000 could be used for clearing and snagging.

Acquisition Strategy: None.

Project Sponsor/Customer: Vicksburg Port

Congressional Interest: Senate: Cochran and Wicker;

House: Thompson (MS-2).

Phase	FY 13 Budget	FY 13 Total Capability
O&M	\$26,000	\$154,000



Mississippi River & Tributaries Investigations



Mississippi River and Tributaries

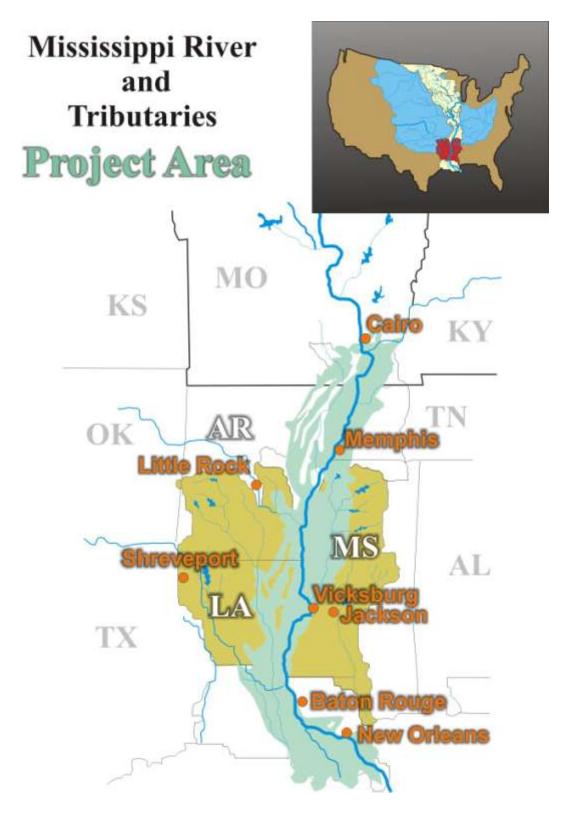
MR&T Investigations

The major objective of the MR&T Investigations program is to study projects that provide solutions to water resource problems for the area within the MR&T authorized project, generally from the area along the Mississippi River from Cairo, IL, to the Gulf of Mexico. The Corps undertakes studies in response to directives (authorizations) from Congress. Congressional authorizations are contained in public law and in resolutions of either the House Public Works and Transportation Committee or the Senate Environment and Public Works Committee.

Most studies are conducted in two phases—reconnaissance and feasibility. The reconnaissance phase is fully funded by the Federal Government and is usually completed in 12 months. The purpose is to define the problem, opportunities, and identifying potential solutions. It also determines whether or not planning should proceed into the feasibility phase based on a preliminary appraisal of the Federal interest, cost, benefits, and environmental impacts of the identified potential solution. The phase is completed upon the signing of the Feasibility Cost-Sharing Agreement (FCSA) by the Corps and a project sponsor.

The feasibility phase can take up to 3 years to complete and is cost shared equally between the Federal Government and the non-Federal sponsor. The report results in recommendations to Congress for or against Federal participation in solutions to the water resource problem and opportunities identified in the study. A recommendation for Federal participation identifies a recommended plan/project, generally for construction authorization and funding.

The Preconstruction, Engineering and Design Studies (PED) phase of project development encompasses all planning and engineering necessary for project construction, after release of the report and Division Engineer's public notice on a favorable study. Preparation of design memorandums and plans and specifications will be cost shared in accordance with the cost sharing required for project construction.



Collection and Study of Basic Data, Arkansas, Louisiana, and Mississippi



Project Fact Sheet Collection and Study of Basic Data, AR, LA, MS

Flood Control Acts of 1928, Sections 1, 2, 3, and 10

Mississippi River and Tributaries, Investigations (FRM)

Location: The Collection and Study of Basic Data project is located throughout the Vicksburg District in AR, LA, and MS.

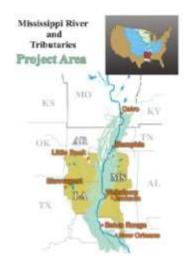
Description: Data collected consist of information on stream flow, sediments and nutrients, rainfall, floods, and other items of related hydrologic nature.

Issues: Data collected under this activity are for authorized flood control projects for which funds have been appropriated in the Memphis, Vicksburg, and New Orleans Districts. Data are used by numerous agencies and the public to determine when flooding will occur and to plan for any evacuations. In addition, the Environmental Protection Agency and state environmental quality agencies are now recognizing water quality as a critical element in environmental protection planning and construction. These data are vital to show projects are in conformance with state and Federal laws.

Importance: Data collection is essential in the planning, design, and construction and O&M of authorized flood control projects, especially significant after the Flood of 2011.

Risk: Without adequate funding, the District would lose the ability to make accurate flood predictions.

Consequence: If not funded, essential hydraulic and hydrologic and water quality data would not be collected and therefore data would not be available to accurately predict future flood and drought conditions on major rivers within the District.



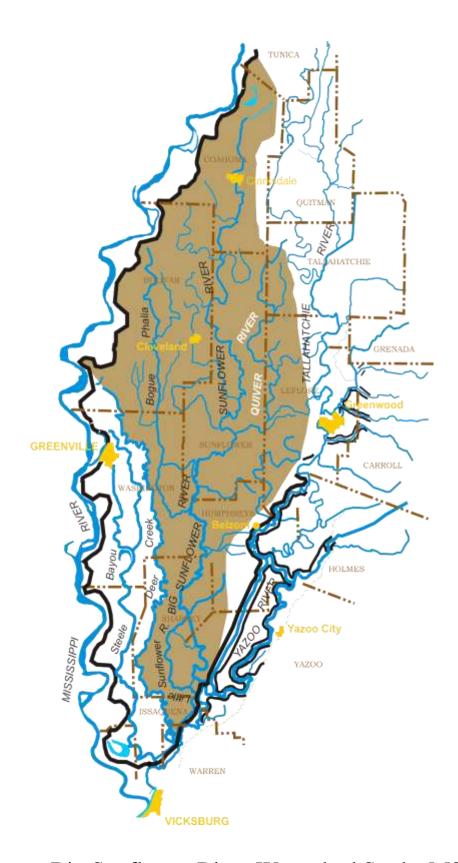
Activities for FY 13: Budgeted funds are being used to collect essential basic data used in planning and design of authorized flood control projects. Additional funds of \$2,080,000 could be used to fully fund collection of essential hydrologic data used in flood predictions, planning and design of authorized flood control projects across the District (\$400,000), aquatic and water quality monitoring within the Vicksburg District (\$480,000), and continue LIDAR mapping in the Vicksburg District (\$1,200,000).

Acquisition Strategy: No contracts are scheduled to be awarded in FY 13.

Project Sponsor/Customer: Mississippi Levee Board

Congressional Interest: Senate: Boozman and Pryor (AR), Landrieu and Vitter (LA), Cochran and Wicker (MS); House: Crawford (AR-1), Cotton (AR-4), Scalise (LA-1), Fleming (LA-4), Alexander (LA-5), Nunnelee (MS-1), and Thompson (MS-2).

Phase	Estimated Federal Cost of Phase	Federal Funding Thru FY 12	FY 13 Budget	FY 13 Total Capability
Feasibility	N/A	N/A	\$170,000	\$2,250,000



Big Sunflower River Watershed Study, MS (Quiver River)



Project Fact Sheet Big Sunflower River Watershed Study, MS (Quiver River)

SR, 29 June 1973

Mississippi River and Tributaries, Investigations (FRM)

Location: The study area is part of the Big Sunflower River and Yazoo River Watersheds, in the Mississippi Delta.

Description: The Quiver River originates in Tallahatchie County and meanders more than 60 miles south before its confluence with the Big Sunflower River, just north of U.S. Highway 82 in Sunflower County. Major streams in the study area include the Tallahatchie River, Quiver River, Sandy Bayou, Black Bayou, and Parks Bayou. The predominant emphasis of the study is the restoration of the degraded aquatic ecosystems in the study area.

Issues: The Quiver River area offers unique opportunities for making improvements to aquatic, riparian, and terrestrial resources in the region. The streams in the area are prone to extremely low-water levels and little or no flow during drought and low-water periods. The overall health of the streams is viewed by the public as having a substantial impact on the wetland, aquatic, and terrestrial ecosystems in the vicinity. Additionally, low base flows pose a threat to human health and safety if there is insufficient water to dilute permitted effluent loadings during low-flow conditions.

Importance: Water quality concerns are impacting development in this economically depressed region. Industries are currently facing massive costs for treatment of discharges and/or fines due to the condition of the streams into which they discharge.

Risk: Poor water quality directly affects the ecosystem's ability to support aquatic habitat. Decreased food supplies and poor water quality could adversely impact other wildlife.

Consequence: Without funding, the feasibility study will be suspended in FY 14, thereby continuing degradation of the environment.



Degraded stream conditions in the Big Sunflower Watershed

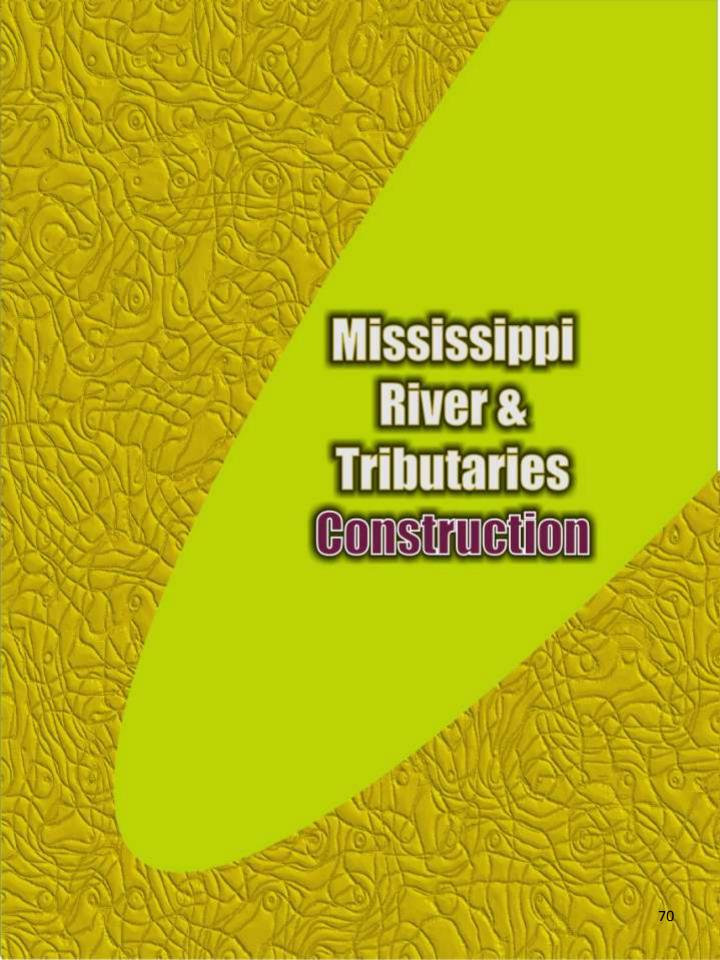
Activities for FY 13: Funds are being used to continue feasibility study which will evaluate a range of alternatives and provide a plan for ecosystem restoration and related and compatible water quality, and water resource management measures.

Acquisition Strategy: No contracts are scheduled to be awarded in FY 13.

Project Sponsor/Customer: Yazoo-Mississippi Delta (YMD) Joint Water Management District

Congressional Interest: Senate: Cochran and Wicker (MS); House: Thompson (MS-2).

Phase	Estimated Federal Cost of Phase	Federal Funding Thru FY 12	FY 13 Allocation	FY 13 Total Capability
Feasibility	\$1,315,000	\$545,000	\$70,000	\$300,000



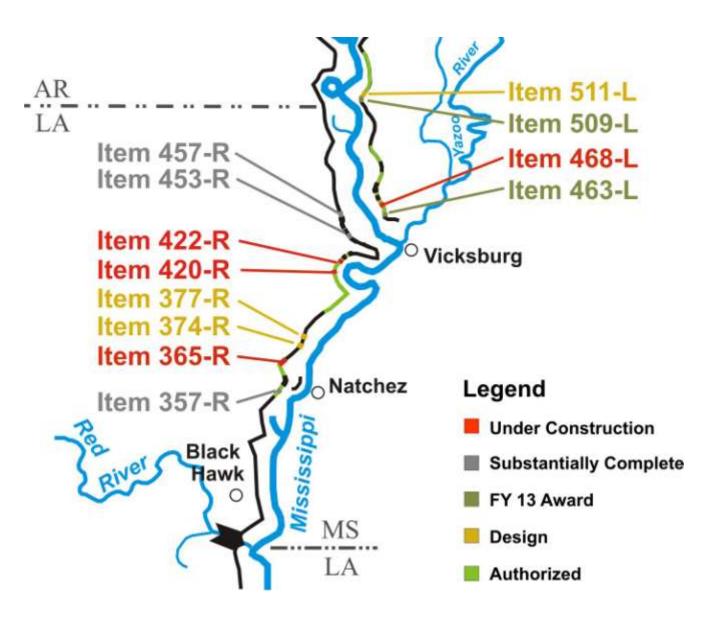
Mississippi River & Tributaries Construction



Mississippi River and Tributaries

MR&T Construction

The objective of the MR&T construction program is to construct and complete authorized and appropriated MR&T projects as economically and quickly as practicable within program constraints and consistent with current national priorities.





US Army Corps of Engineers Vicksburg District

Project Fact Sheet

Mississippi River Levees, AR, IL, KY, LA, MS, MO & TN

Flood Control Acts of 1928, 1936,1939, 1941, 1944, 1946, 1950, 1954, 1962, 1965, 1968, River Basin Monetary Authorization Act of 1971, WRDA 1992, Sec 103; WRDA 2000, Section 508

Mississippi River and Tributaries, Construction (FRM)

Location: The Mississippi River levee system on the west bank extends from Allenville, Missouri, on the Little River Diversion Channel generally southward to Venice, Louisiana, and on the east bank from Hickman, Kentucky, to opposite Venice, Louisiana, except where interrupted by hills and tributary streams. Included in the system are the levees, which protect Mounds, Mound City and Cairo, Illinois, and the New Madrid Levee and Floodway.

Description: Improvement provides for raising, strengthening, and in some cases, extending existing levees to provide protection against the project design flood.

Issues: There are currently 116 miles remaining of deficient levees within the Vicksburg District.

Importance: The Mississippi River Levees are designed to protect people, property, infrastructure, and the environment in the alluvial valley against the project design flood by confining flow to the channel between the levees and natural hill lines, except where it enters natural backwater areas or is diverted purposely into floodway areas.

Risk: Catastrophic damage is likely to occur if the system is below authorized level of protection.

Consequence: A breach in the levee could result in over 1 million acres inundated, towns and cities flooded, and lives lost. Commercial impacts include roads, agricultural and timber production. Farmland is at risk of flooding, resulting in devastation of primary economic engine of the region. Environmental losses of terrestrial habitat and wildlife would be significant.

Activities for FY 13: Budgeted funds of \$20,955,000 are being used for relocations, supervision and administration of ongoing construction, and to complete Items 365R, Vidalia-Morville, LA, and Item 468L, Magna Vista to Brunswick, MS; to continue Items 420R, Bayou Vidal to Elk Ridge, LA, and 422R, Reid Bedford-King, LA; and to award Item 463, Reid Bedford-King, and Item 509L, Lake Jackson-Palmetto. Additional funds of \$3,000,000 could be used to award Item 511L. Supplemental funding in the amount of \$22.3 million will be used to continue supervision and administration on those previously awarded items and to complete the designs and make award for all 19 of the

remaining items identified as a part of Operation Watershed Reset/Recovery.

Acquisition Strategy: Item 463 was awarded in October 2012. Item 509 is scheduled to be awarded in August 2013. These items are being funded with regular appropriated funds. Seven contracts are scheduled to be awarded in the fourth quarter using supplemental funds to repair those areas damaged by the 2011 flood.

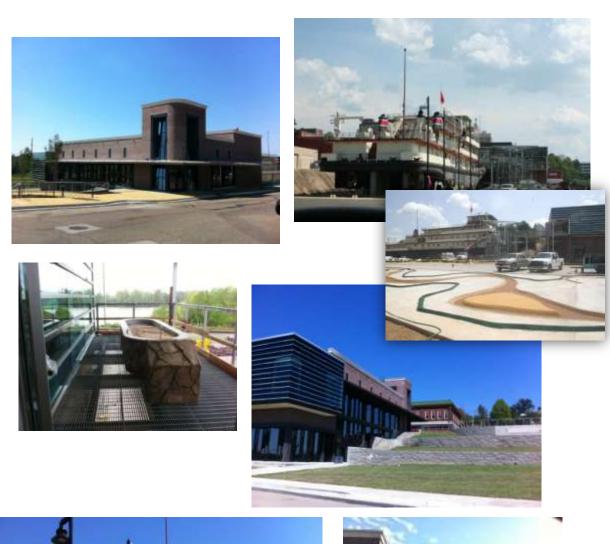


Item 365-R Vidalia-Moreville, LA

Project Sponsor/Customer: Mississippi Levee Board, Fifth Louisiana Levee Board, and Southeast Arkansas Levee District.

Congressional Interest: Senate: Boozman and Pryor (AR), Landrieu and Vitter (LA), Cochran and Wicker (MS), House: Crawford (AR-1), Cotton (AR-4), Scalise (LA-01), Alexander (LA-5), Thompson (MS-2).

Phase	Estimated Federal Cost of Phase	Federal Funding Thru FY12	FY 13 Budget	FY13 Supplemental	FY 13 Total Capability (Regular)
Construction	\$1,067,100,000	\$637,978,000	\$20,955,000	\$22,265,000	\$23,955,000







Lower Mississippi River Museum



Project Fact Sheet Mississippi River Levees, Lower Mississippi River Museum and Riverfront Interpretive Site

WRDA 1992, WRDA 2000, and E&W Development Appropriations Act 2006

Mississippi River and Tributaries, Construction (FRM)

Location: The Lower Mississippi River Museum and Riverfront Interpretive Site (LMRM) is located at 901 Washington St. Vicksburg, Mississippi, 39180.

Description: The museum is a collaborative effort to provide visitors with a better understanding of the risks and benefits to living along the Lower Mississippi River. The museum features interior museum displays, an outdoor Mississippi River model, and displays onboard the MV MISSISSIPPLIV.

Issues: None.

Importance: The LMRM is one of the only Federal facilities that assists the Corps of Engineers in interpreting flood risk management to the general public. Visitors learn the importance of the MR&T system, comparing historic floods to future forecasts, river dynamics, and Corps history through a variety of interactive and engaging displays. The Vicksburg vicinity has provided positive support for the museum and feel it has already make an impact to the downtown area.

Risk: Future funding for LMRM Operation and Maintenance is unsecured and subject to District prioritization.

Consequence: If the LMRM is not operated and maintained, the museum will close. The city of Vicksburg and the surrounding area would suffer from economic hardship. The MV MISSISSIPPI IV, property, and items belonging to the Federal government would fall into disrepair.



Activities for FY 12: Funds were used to complete construction of the museum building and exhibits.

Acquisition Strategy: None.

Amount That Could Be Used in FY 13: Funds will be used to complete safety issues onsite.

Project Sponsor/Customer: None.

Congressional Interest: Senate: Cochran and Wicker (MS); House: Thompson (MS-2).

Phase	Estimated Federal Cost of Phase	Federal Funding Thru FY 12
Construction	\$26,000,000	\$26,000000



Mississippi River Channel Improvement, Arkansas, Louisiana, and Mississippi



US Army Corps of Engineers Vicksburg District

Project Fact Sheet Mississippi River Channel Improvement, AR, LA, & MS

Flood Control Acts of 1928 (Section 1); 1936 (Section 1); 1938 (Section 4); 1941 (Section 3); 1944 (Section 10); 1962 (Section 203); 1965 (Section 201, 204); 1966 (Section 202, 203); and 1970 (Section 207)

Mississippi River and Tributaries, Construction (FRM, NAV)

Location: The project is located in the Mississippi River and along its banks from the vicinity of Cessions Towhead at River Mile 616 AHP, to Union Point at River Mile 326 AHP, a distance of approximately 290 miles.

Description: The plan of improvement consists of stabilization of the Mississippi River main channel in a desirable alignment for purposes of flood control and navigation by means of revetments, river training structures (dikes, chevrons, and bendway weirs), and improvement dredging.

Issues: The Lower Mississippi River experienced the flood of record at many locations during 2011. Many channel improvement features including both revetments and dikes were damaged.

Importance: River training structures improve navigation conditions, stabilize bends, and reduce maintenance dredging requirements. Revetment construction maintains channel alignment and protects the banks from crossion.

Risk: Catastrophic damage to the navigation channel, river banks, and adjacent mainline levee is likely to occur if the system is not constructed as authorized.

Consequence: Failure to adequately fund will result in channel deterioration which would adversely impact the navigation industry in economically and efficiently transporting commodities on the Mississippi River. Continued erosion of banks and/or failure of revetments would adversely impact channel alignment and threaten the integrity of the mainline levee system.



Stone Dike Construction



Revetment Construction - Articulated Concrete Mat (ACM)

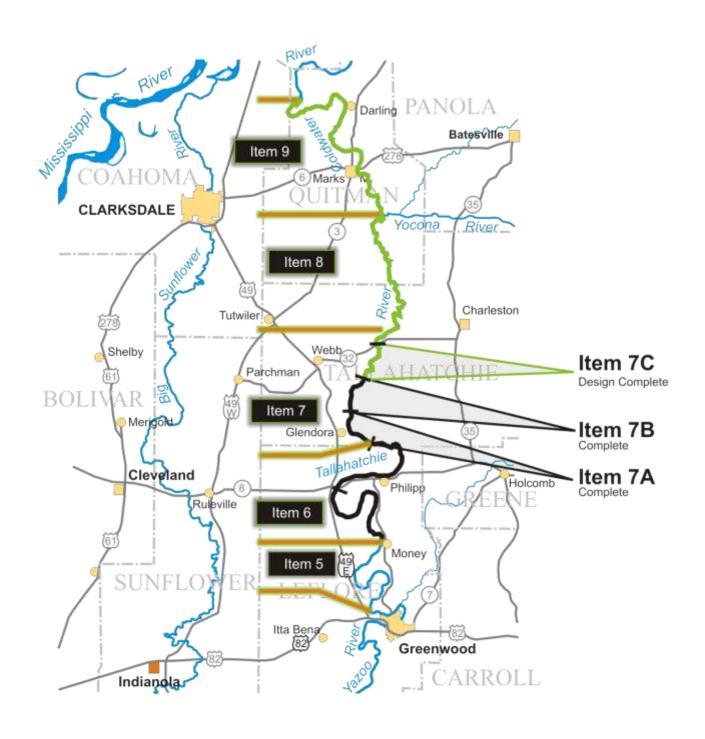
Activities for FY 13: Budgeted funds are being used for dike construction at Victoria Bend Left Descending Bank (LDB), MS, and for reverment construction at Racetrack, MS. The 2011 flood damage repairs have been prioritized on a regional basis. Additional funds of \$26,400,000 could be used to fully fund dike construction at Lake Providence, LA-RM483R (\$8,800,000), Racetrack Towhead, MS-RM 432R (\$4,500,000) and Willow Cutoff, LA-RM-462.8R (\$1,500,000), and construct an upstream extension to the existing reverments at Grand Gulf (\$4,460,000) and Togo Island (\$7,140,000). Supplemental funds of \$13,200,000 will be used for design and construction of the regional priority repairs within MVK during FY 13. Repairs consist of construction of four stone dikes at Marshall Brown, MS, to replace 12 stone hard points destroyed during the 2011 flood.

Acquisition Strategy: Articulated concrete mat (ACM) is being placed at one high priority site, Racetrack, and will be placed by inhouse hired labor. Three contracts will be awarded in FY 13. One contract is for stone bank paving associated with revetment. Stone bank paving is required at all revetment sites at which the bank is graded to a stable slope. Contracts for dike construction at Victoria Bend LDB and Marshall Brown will also be awarded.

Project Sponsor/Customer: Navigation industry, environmental community, and Mississippi Levee, 5th Louisiana Levee, and Southeast Arkansas Levee Boards.

Congressional Interest: Senate: Boozman and Pryor (AR), Landrieu and Vitter (LA), Cochran and Wicker (MS); House: Crawford (AR-1), Cotton (AR-4), Alexander (LA-5), Thompson (MS-2), and Harper (MS-3).

Phase	Estimated Federal Cost of Phase	Federal Funding Thru FY 12	FY 13 Budget	FY 13 Supplemental	FY 13 Total Capability (Regular)
Construction	\$1,241,000,000	\$971,004,000	\$20,614,000	\$1,786,500	\$47,014,000





Project Fact Sheet Yazoo Basin, Upper Yazoo Projects, MS

Flood Control Acts of 1936, Sec. 4 and 8a; 1941, Sec. 3b and 3g; 1946, Sec. 3, 10f, and 10q; and 1965, Sec. 2045

Mississippi River and Tributaries, Construction (FRM)

Location: The Upper Yazoo Projects (UYP) includes channel and levee features along the main channel of the Yazoo, Tallahatchie, and Coldwater Rivers from the vicinity of Yazoo City, MS, to the vicinity of the confluence of Arkabutla Creek with the Coldwater River.

Description: The project provides much needed flood risk reduction for this region by decreasing flood stages up to 3 feet in most areas. The project began in 1976 near Yazoo City and had advanced to near Sidon, MS before the project was reformulated in 1994. Reformulation resulted in approximately 130.3 miles of channel enlargement in nine segments from Sidon to Darling, MS. The project focuses on cleaning out and restoring channel capacity to the Yazoo River and its tributaries. Before initiating construction on the UYP, about 1.1 million acres were subject to the 100-year flood. Damages totaled more than \$18,600,000 annually, including \$3,000,000 in urban damages and 700,000 acres of agricultural land subject to inundation. To date, 12,400 acres of mitigation lands have been acquired. A total of 16,250 acres of mitigation land is required for this project.

Issues: Absence of funding will delay remaining flood control and economic benefits to the area by not allowing the initiation of any new construction items. Currently there are 29,000 people protected in the 100-year flood plain.

Importance: The project provides flood protection for 8,900 square miles in this region through reduction of flood stages up to 3 feet in most areas. Approximately 26 million cubic yards of material will be excavated at the project's completion providing an average conveyance increase of approximately 50 percent over current channel capacity. Existing flooding damages would be reduced by 55 percent.

Risk: Impacts include loss of life, isolation of homes and numerous rural communities and months of flooding.

Consequence: Commercial impacts include roads, agricultural and timber production. Farmland is at risk of flooding, resulting in devastation of the primary economic engine of the region. Environmental losses of terrestrial habitat and wildlife would be significant.



Construction along the bank of the Tallahatchie River Item 6B near Phillip, MS

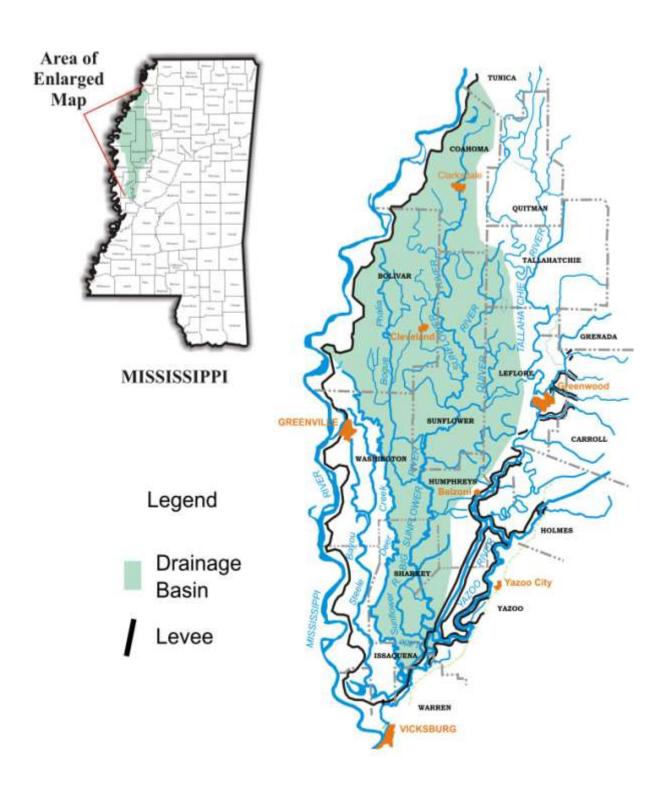
Activities for FY 13: Funds of \$16,850,000 could be used to continue design of Items 7D and 8A (\$500,000) and fully fund Items 7C Ph II (\$10,350,000) and Lamb-Fish (\$6,000,000).

Acquisition Strategy: No contracts are scheduled to be awarded in FY 13.

Project Sponsor/Customer: The Yazoo-Mississippi Delta Levee Board

Congressional Interest: Senate: Cochran and Wicker (MS); House: Thompson (MS-2).

Phase	Estimated Federal Cost of Phase	Federal Funding Thru FY 12	FY 13 Budget	FY 13 Total Capability
Construction	\$445,000,000	\$297,266,000	\$0	\$16,850,000



Big Sunflower River, MS



Project Fact Sheet Yazoo Basin, Big Sunflower River, MS

Flood Control Act of 1944, 1950, 1962 and 1965

Mississippi River and Tributaries, Construction (FRM)

Location: The Steele Bayou Basin lies within the Delta region of west-central Mississippi. Its 752-square-mile drainage area runs from north of Greenville to its confluence with the Yazoo River just north of Vicksburg.

Description: The project consists of 739 miles of channel, 9 miles of levees and will protect 195,000 acres against the design flood. An additional 395,000 acres will be benefited because of improved drainage conditions. The project will provide flood protection and environmental enhancements for this region.

Issues: The Environmental Protection Agency and Mississippi Department of Environmental Quality have recognized in recent years the impacts of sediment and nutrients on environmental resources in the Big Sunflower River Basin. The installation of sediment structures will improve the water quality in the basin.

Importance: Between the years 1990-2009 the sediment reduction structures have reduced approximately 686,000 tons of sediment that would have naturally been deposited in delta streams. Keeping sediment out of the streams improves channel flow capacity during times of flooding and reduces dredging frequency.

These structures also benefit the environment by keeping agricultural fertilizers and pesticides out of the streams, thereby contributing to another one of the Corps major missions of ecosystem restoration. The monitoring of water quality over a number of years will allow documentation of these long-term benefits and the development of Total Maximum Daily Load targets.

Risk: Impacts could include increased sediment and nutrient loads. Diminished channel capacity would increase the frequency, duration, and effects of flooding in this area. Consequence: Without additional funding, all work will be suspended. No further monitoring and documentation of long-term benefits will occur and work addressing sedimentation and erosion control will come to a halt.



Sediment Reduction Structure

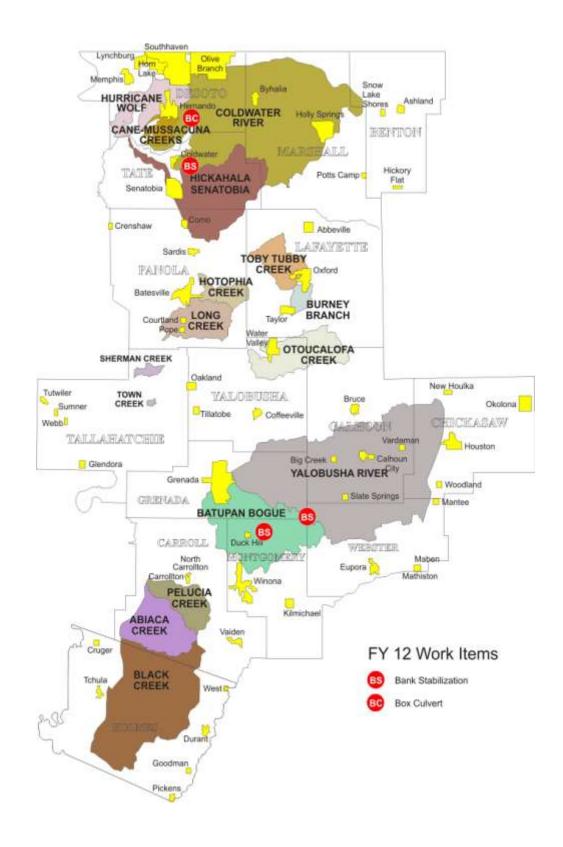
Activities for FY 13: Funds of \$1,700,000 could be used to fully fund and award Sediment Reduction Structures Phase VII (\$900,000) and continue water quality and sediment and nutrient monitoring (\$800,000).

Acquisition Strategy: No contracts are scheduled to be awarded in FY 13.

Project Sponsor/Customer: Yazoo-Mississippi Delta Levee Board

Congressional Interest: Senate: Cochran and Wicker (MS), House: Thompson (MS-2).

Phase	Estimated Federal Cost of Phase	Federal Funding Thru FY 12	FY 13 Budget	FY 13 Total Capability
Construction	\$134,300,000	\$128,539,000	\$0	\$1,700,000



Delta Headwaters Project (DHP), MS



Yazoo Basin, Delta Headwaters Project

Emergency Jobs Appropriations Act of 1982; WRDA 1986, Section 103e

Mississippi River and Tributaries, Construction (FRM)

Location: The project is located in the eastern (hill) section of the Yazoo River Basin, MS.

Description: The project consists of 16 watersheds, ranging in size from 1 square mile (Town Creek) to over 600 square miles (Coldwater River), with features that include bank stabilization, grade control structures, floodwater-retarding structures, and channel modifications for flood damage reduction, bank stabilization and sedimentation/erosion control.

Issues: The program is vital to the ongoing erosion prevention in the 16 authorized watersheds. Benefits of this work include the reduction of the risk of flooding in the Yazoo Basin, reduction of sediment deposited in downstream reservoirs and streams, reduction of the need for maintenance dredging, and improvement of degradation of wildlife habitat in and along the streams.

Importance: The project provides important flood control, environmental, water quality, and sediment reduction benefits, in addition to economic stimulus benefits to the basin. It is the only program of its kind in the Mississippi River Valley and has proven to be a valuable model that can be used throughout the entire Mississippi River Valley.

Erosion from agricultural land frequently carries agricultural chemicals and fertilizers adding to the Gulf Hypoxia. Consequently, reducing erosion improves water quality. Once stabilized, stream systems provide improved wildlife habitat both in and along the streams.

Risk: The program is not within the Administration's policy; therefore, no long-term program planning can occur. There is no authority to maintain structures that are currently providing services for landowners, towns, and counties in the Yazoo River Basin.

Consequence: Without funding, all work will be suspended, resulting in no further work to stop sedimentation, control erosion, or improve water quality. Land will continue to erode, towns and farms will continue to flood, and existing structures will fall into disrepair.



Yazoo Basin, MS Mississippi Delta Headwaters Project

Activities for FY 13: Carryover funds are being used for supervision and administration of ongoing contracts. Additional funds of \$13,000,000 could be used to fully fund two bank stabilization (\$1,600,000); three riser pipes (\$1,600,000) contracts; continue design efforts (\$6,500,000); construction management (\$2,400,000); and continue site monitoring by the Natural Resources Conservation Service/U.S. Geological Survey (\$900,000).

Acquisition Strategy: No contracts are scheduled to be awarded in FY 13.

Project Sponsor/Customer: Multiple

Congressional Interest: Senate: Cochran and Wicker (MS); House: Thompson (MS-2).

Phase	Estimated Federal Cost of Phase	Federal Funding Thru FY 12	FY 13 Budget	FY 13 Total Capability
Construction	\$438,022,000	\$438,022,000	\$0	\$13,000,000





Yazoo Basin, Yazoo Backwater Less Rocky Bayou, MS

Flood Control Acts of 1941 and 1944

Mississippi River and Tributaries, Construction (FRM)

Location: The Yazoo Backwater Project lies in the southern part of the Delta in west-central Mississippi. It extends from just north of Vicksburg approximately 60 miles to the vicinity of Hollandale and Belzoni, MS

Description: The Yazoo Backwater Project is situated between the mainline Mississippi River levee and the escarpment which forms the eastern boundary of the Delta and is subject to backwater flooding from the Mississippi River. It comprises about 2,000 square miles. Four greentree reservoirs and associated pump stations, constructed and funded by the Corps of Engineers, are managed by the U.S. Forest Service and are required mitigation features for the Yazoo Backwater Project. Both regular and ARRA appropriations were spent in FY 2008 to FY 2011 to rehabilitate and operate the pumps. A total of 8,800 acres of lands were purchased to offset environmental losses from the construction of the Yazoo Backwater and Satartia area levees.

Issues: No funds for the operation and maintenance of ongoing mitigation features. An additional acquisition of 4,000 acres is needed to fulfill the terrestrial mitigation requirements.

Importance: The project's greentree reservoirs and associated pump stations are necessary mitigation features and provide valuable habitat for waterfowl species.

Risk: Without funding, maintenance cycles will not be performed, increasing the risk of pump failure. Operation of the four greentree reservoirs will be limited to only what would be allowed to fill naturally via rainfall.

Consequence: Impacts include increased repair costs due to inadequate maintenance cycles. Environmental losses of habitat for waterfowl would be significant. By not purchasing the additional mitigation lands now, each year additional lands are required due to the time lag between the losses occurred and when mitigation is provided.



Waterfowl - Yazoo Backwater Area

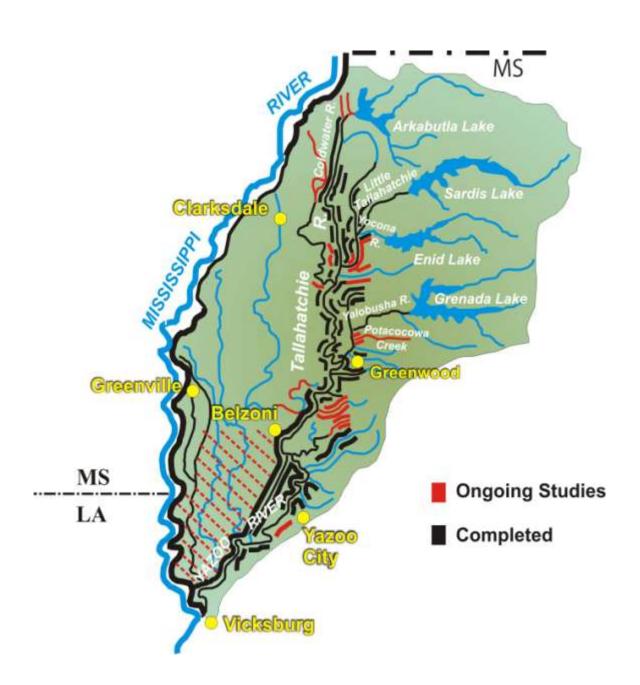
Activities for FY 13: Funds of \$4,575,000 could be used to continue operation of the greentree reservoirs for mitigation purposes (\$75,000), and continue purchase of mitigation lands for unavoidable environmental losses from previously constructed projects (\$4,500,000).

Acquisition Strategy: No contracts are scheduled to be awarded in FY 13.

Project Sponsor/Customer: Yazoo-Mississippi Delta Levee Board and Mississippi Levee Board

Congressional Interest: House: Thompson (MS-2); Senate: Cochran and Wicker (MS).

Phase	Estimated Federal Cost of Phase	Federal Funding Thru FY 12	FY 13 Budget	FY 13 Total Capability
Construction	\$507,000,000	\$61,658,000	\$0	\$4,575,000





Yazoo Basin, Reformulation, MS

Flood Control Acts of 1936, Sections 4 & 8a, 1941, Sections 3b & 3g, and 1946, Sections 3, 10f, & 10q

Mississippi River and Tributaries, Construction (FRM)

Location: The project includes tributaries and streams of the Yazoo River which originate in the hills of Mississippi and extend to the delta.

Description: The Reformulation Study covers the remaining authorized unconstructed features of the Yazoo Basin, which is being accomplished in four phases. The first two study phases of the Yazoo Basin Reformulation, Upper Steele Bayou and Upper Yazoo Projects, are complete and the recommended projects are under construction. The third phase, the Yazoo Backwater Project, was suspended due to a 404c veto by the Environmental Protection Agency (EPA) on 31 August 2008. The fourth and final phase, the Tributaries study, is underway. With funding, studies could complete in FY 16.

Issues: Several tributary stream channels are insufficient to convey flood flows and have local levee systems that are inadequate to contain the larger runoffs from the hills.

Importance: The project provides important flood control, environmental, water quality, and sediment reduction benefits in addition to economic stimulus benefits to the basin.

Risk: Impacts include loss of life, isolation of homes and numerous rural communities and months of flooding.

Consequence: Several tributary stream channels are insufficient to convey flood flows and have local levee systems that are inadequate to contain the larger runoffs. Without additional funding, all studies will be suspended and prolong flood damage reduction to numerous communities.



The red lines depict the remaining authorized unconstructed features of the Yazoo Basin.

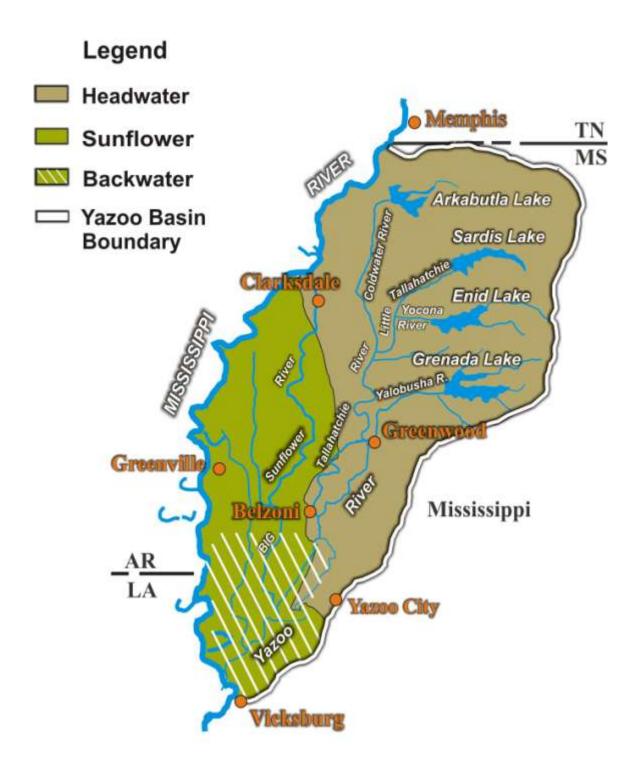
Activities for FY 13: The studies have been suspended due to lack of funds. Funds of \$500,000 could be used to continue feasibility studies.

Acquisition Strategy: No contracts are scheduled to be awarded in FY 13

Project Sponsor/Customer: Yazoo-Mississippi Delta Levee Board

Congressional Interest: Senate: Cochran and Wicker (MS); House: Thompson (MS-2).

Phase	Estimated Federal Cost of Phase	Federal Funding Thru FY 12	FY 13 Budget	FY 13 Total Capability
Construction	\$49,500,000	\$44,826,500	\$0	\$500,000





Project Fact Sheet Yazoo Basin, Main Stem, MS

Flood Control Acts of 1936, Sec. 4 and 8a; 1941, Sec. 3b and 3g; 1946, Sec. 3, 10f, and 10q

Mississippi River and Tributaries, Construction (FRM)

Location: The Main Stem feature in the Yazoo Basin consists of enlarged levee improvements along the Yazoo, Tallahatchie, and Coldwater Rivers from Yazoo City to Prichard, MS; and channel clearing, cutoffs, and channel enlargement along the Yazoo, Tallahatchie, and Coldwater Rivers from Yazoo City to Arkabutla Lake. Sheley Bridge is located on the Tallahatchie River in Tallahatchie County, MS.

Description: The authorized work provides protection to adjacent areas against floods. The major remaining work includes raising deficient levees and closure of gaps in the Yazoo River levee system. This work is deferred until completion of the Mississippi River mainline and Yazoo Backwater levees.

Issues: Monitoring of Sheley Bridge bank stabilization was directed by Supplemental Appropriations Act of 1982

Importance: Construction of bank stabilization measures and drift deflectors to protect Sheley Bridge supports was completed in FY 86. Monitoring of the bank stabilization measures reduces risks to bridge stability.

Risk: Without funding for this item of work, the Corps is faced with the inability to perform this congressionally mandated requirement. Monitoring of bank stabilization measures is needed to ensure the integrity of the bridge supports.

Consequence: Inability to monitor, report, and recommend engineering solutions should detrimental bank stability issues occur at vehicle bridge crossing.



Inspection at Sheley Bridge

Activities for FY 13: Funds of \$25,000 could be used to monitor bank stabilization at Sheley Bridge.

Acquisition Strategy: No contracts are scheduled to be awarded in FY 13.

Project Sponsor/Customer: Yazoo-Mississippi Delta Levee Board

Congressional Interest: Senate: Cochran and Wicker (MS); House: Thompson (MS-2).

Phase	Estimated Federal Cost of Phase	Federal Funding Thru FY 12	FY 13 Budget	FY 13 Total Capability
Construction	\$267,800,000	\$34,879,000	\$0	\$25,000









Multi-Agency Interpretive and Education Center



Yazoo Backwater Multi-Agency Interpretive and Education Center, MS

Consolidated Appropriations Act, 2004, Section 145 (Public Law 108-199).

Mississippi River and Tributaries, Construction (FRM)

Location: The Multi-Agency and Interpretive Center was to be located in Rolling Fork, MS, on land purchased by the Vicksburg District.

Description: The FY 11 budget included rescission of funds for the Yazoo Backwater project. Thus, project activities were halted. Inclement weather caused damage to an existing historic structure on the property (Red Barn). The existing structure was demolished and debris cleared in 2012.

Issues: Plans for the Multi-Agency Interpretive and Education Center are 95 percent complete and real estate acquisition is complete. All work ceased due to the FY 11 rescission of funds.

Risk: Without additional funding to complete design and award a construction contract, the project will be unable to proceed to construction as directed.

Consequence: Without additional funding, the project will be unable to proceed to construction as directed.



Multi-Agency Interpretive and Education Center

Activities for FY 13: Carryover funds are being used to comply with mitigation activities agreed to with the State Historic Preservation Officer for removal of the Red Barn. Funds of \$3,906,529 could be used to complete design and award construction contract.

Acquisition Strategy: No contracts are scheduled to be awarded in FY 13.

Project Sponsor/Customer: N/A

Congressional Interest: Senate: Cochran and Wicker (MS); House: Thompson (MS-2).

Phase	Estimated Federal Cost of Phase	Federal Funding Thru FY 12	FY 13 Budget	FY 13 Total Capability
Construction	\$6,000,000	\$2,093,471	\$0	\$3,906,529



Mississippi River & Tributaries Maintenance



Mississippi River and Tributaries

MR&T Maintenance

The MR&T Maintenance program focuses on the need to preserve the existing infrastructure and provide justified levels of service at the least cost.



Mississippi River Levees, AR, LA, and MS



Mississippi River Levees, AR, LA & MS

FCA's 1928, 1936, 1938, 1941, 1944, 1946, 1950, 1954, 1962, 1965, 1968, River Basin Monetary Authorization Act of 1971, WRDA 92, WRDA 00

Mississippi River and Tributaries, Maintenance (FRM)

Location: The Mississippi River Levee system on the west bank extends from Allenville, MO, southward to Venice, LA, and on the east bank from Hickman, KY, to opposite Venice, LA, except where interrupted by hills and tributary streams.

Description: The Mississippi River Levee System provides flood risk reduction to over 23 thousand square miles in the alluvial valley subject to flooding by the project flood. The alluvial valley is over 650 miles long and varies in width from 20 to 90 miles. Numerous railroads, highways, and airfields connecting the major transportation centers lie within the protected area as do several major transcontinental communication routes. In addition to highly developed agricultural areas, the levees afford protection to urban areas and many industries.

Issues: Levee slides are being repaired along the Mississippi River Levee System on the East and West banks utilizing supplemental funding. Additional slides are developing as a result of heavy rainfall in December 2012 and January 2013.

Importance: Although levee slides are an expected occurrence in any levee system, the repair of levee slides is of prime importance in maintaining a robust levee system capable of performing its design function during all flood events up to and including the project design flood.

Risk: Leaving slides in disrepair may lead to levee safety issues, levee certification issues, reduced levels of flood protection, and increased risk of flood damage.

Consequence: Failure to operate and maintain the levees appropriately jeopardizes project integrity, and places the safety of the public at increased risk.



Two Levee Slides

Activities for FY 13: Budgeted funds are being used to perform routine operation and maintenance activities, repair levee slides, and resurfacing levees.

Project Sponsor/Customer: 5th LA Levee District, Southeast Arkansas Levee District, and the Board of Mississippi Levee Commissioners

Congressional Interest: Senate: Boozman and Pryor (AR), Landrieu and Vitter (LA), Cochran and Wicker (MS), House: Crawford (AR-1), Cotton (AR-4), Scalise (LA-1), Fleming (LA-4), Alexander (LA-5), Nunnelee (MS-1), Thompson (MS-2).

	FY 13	FY 13
Phase	Budget	Total Capability
Maintenance	\$1,690,000	\$1,690,000



Arkabutla Lake



Project Fact Sheet Yazoo Basin, MS, Arkabutla Lake

Flood Control Acts of 1928, 1936, 1937, 1938, 1941, 1944, and 1946

Mississippi River and Tributaries, Maintenance, FRM, REC, ENS

Location: Arkabutla Lake is located in northwest Mississippi, north of Arkabutla, Mississippi. Arkabutla Dam is located in Tate and DeSoto Counties, and the lake encompasses portions of both counties.

Description: Arkabutla Lake is a 57,250-acre multipurpose project located on the Coldwater River and stores floodwater to provide for flood damage reduction in the Yazoo Basin. Outdoor recreation and tourism associated with the lake contribute significant support to the regional economy.

Issues: Due to the age of this project, continued emphasis on critical routine and non-routine maintenance activities is required to ensure the integrity of the project and its flood control structures, in order to protect people and property from downstream flooding.

Importance: Arkabutla Dam, completed in 1943 as a part of the comprehensive flood control plan for the Mississippi River and Tributaries Project, is operated in coordination with Sardis, Enid, and Grenada Dams to reduce flood damages in the Yazoo Basin of the Mississippi Delta, one of the most significant agricultural production areas in the Nation. Through FY 11, these four projects have prevented over \$1.3 billion in flood damages within the Yazoo Basin. Following construction of Arkabutla Dam, land-and waterbased recreation became a popular pastime for project visitors. In FY 11, over 904,000 visitors utilized the project and its 13 developed recreation areas operated by the Corps. With multiplier effects, visitor spending resulted in \$14.7 million total sales, \$5.3 million in total personal income, and supported 237 jobs in the local communities. Environmental stewardship activities are conducted to protect and enhance the project's vegetative, wildlife, fisheries, and cultural resources.

Risk: Failure to adequately fund this project jeopardizes the flood risk management capabilities for which the project was designed and has performed in an excellent manner for over 70 years. Funding is required to adequately operate and maintain project recreational facilities and continue mandated environmental stewardship activities.

Consequence: Failure to adequately operate and maintain the project and its facilities would jeopardize project integrity and potentially lead to an increase in the risk of damages from flooding. Reductions in recreational service levels will potentially lead to reduced facility availability, decreased public safety, and lower levels of recreational visitor satisfaction. Reduction in environmental stewardship services may result in inability to monitor and control such things as cultural resource sites, endangered species, invasive species, and forestry resources.



Arkabutla Dam

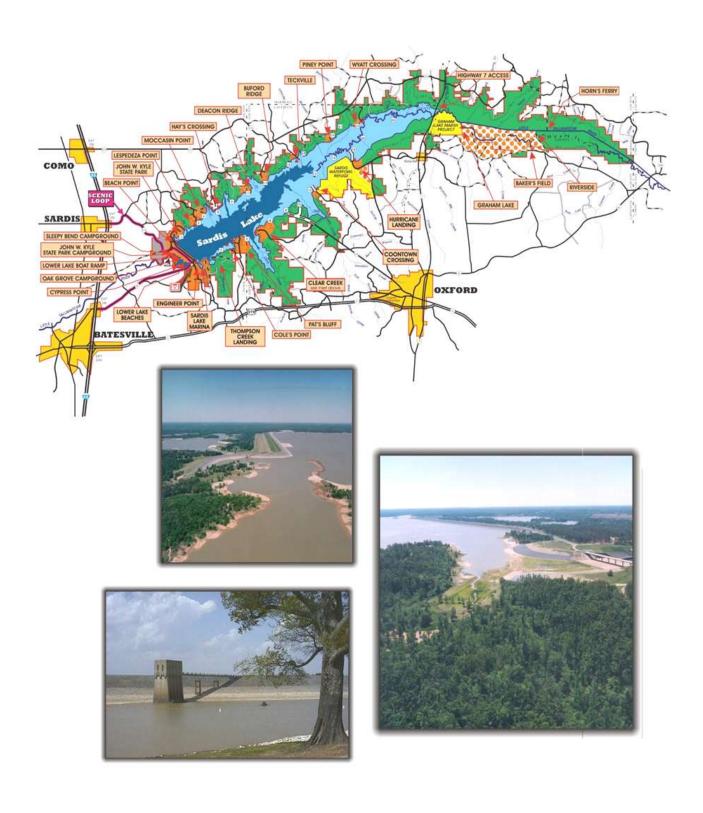
Activities for FV 13: Budgeted funds are being used to continue routine operation and maintenance at a reduced level of service in all authorized mission areas. Additional funds of \$4,758,000 could be used to achieve acceptable levels of services (\$1,100,000), re-route North Overflow Spillway Drop-Inlet Drain (\$50,000), construct Pratt Road to Spillway Bridge (\$2,175,000), install ditch culverts at Outlet Channel (\$150,000), replace antiquated public-use restrooms at Bayou Point and Dub Patton Boat Ramps (\$200,000), and develop design and modernize Hernando Point Day Use (\$1,083,000).

Acquisition Strategy: Due to limited funding levels, no construction contracts are scheduled to be awarded in FY 13.

Project Sponsor: N/A.

Congressional Interest: Senate: Wicker and Cochran (MS), House: Nunnelee (MS-1).

	FY 13	FY 13
Phase	Budget	Total Capability
Maintenance	\$5,203,00	\$9,961,000



Sardis Lake, MS



Project Fact Sheet Yazoo Basin, MS, Sardis Lake

Flood Control Acts of 1928, 1936, 1937, 1938, 1941, 1944, and 1946

Mississippi River and Tributaries, Maintenance (FRM, REC, ENS)

Location: Sardis Lake is located in north-central Mississippi southeast of Sardis, Mississippi. Sardis Dam is located in Panola County, and the lake encompasses portions of Panola, Lafayette, and Marshall Counties.

Description: Sardis Lake is a 98,357-acre multi-purpose project located on the Little Tallahatchie River and stores floodwater to provide for flood damage reduction in the Yazoo Basin. Outdoor recreation and tourism associated with the lake contribute significant support to the regional economy.

Issues: Due to the age of this project, continued emphasis on critical routine and non-routine maintenance activities is required to ensure the integrity of the project and its flood control structures, in order to protect people and property from downstream flooding.

Importance: Sardis Dam, completed in 1940 as a part of the comprehensive flood control plan for the Mississippi River and Tributaries Project, is operated in coordination with Arkabutla, Enid, and Grenada Dams to reduce flood damages in the Yazoo Basin of the Mississippi Delta, one of the most significant agricultural production areas in the Nation. Through FY 11, these four projects have prevented over \$1.3 billion in flood damages within the Yazoo Basin. Following construction of Sardis Dam, land- and waterbased recreation became a popular pastime for project visitors. In FY 11, over 1.3 million visitors utilized the project and its 20 developed recreation areas operated by the Corps. With multiplier effects visitor spending resulted in \$25.5 million total sales, \$9.1 million in total personal income, and supported 464 jobs in the local communities. Environmental stewardship activities are conducted to protect and enhance the project's vegetative, wildlife, fisheries, and cultural resources.

Risk: Failure to adequately fund this project jeopardizes the flood risk management capabilities for which the project was designed and has performed in an excellent manner for over 70 years. Funding is required to adequately operate and maintain project recreational facilities and continue mandated environmental stewardship activities.

Consequence: Failure to adequately operate and maintain the project and its facilities would jeopardize project integrity and potentially lead to an increase in the risk of damages from flooding. Reductions in recreational service levels will potentially lead to reduced facility availability, decreased public safety, and lower levels of recreational visitor satisfaction. Reduction in environmental stewardship services may result in inability to monitor and control such things as cultural resource sites, endangered species, invasive species, and forestry resources.



Sardis Lake Dam and Lower Lake

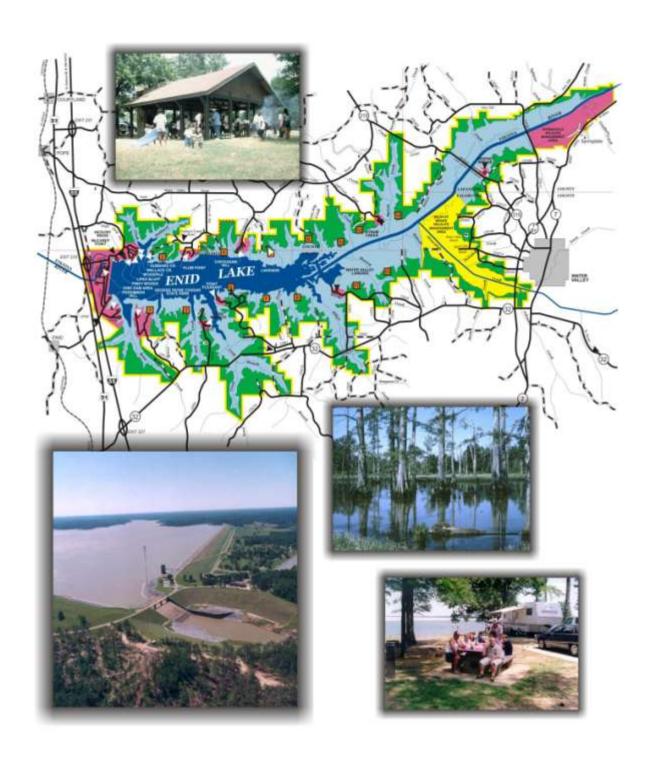
Activities for FY 13: Budgeted funds will be used to continue routine operation and maintenance at a reduced level of service in all authorized mission areas. Additional funds of \$4,870,000 could be used to achieve acceptable levels of service (\$905,000), replace Clear Creek water storage tank and rehab Hurricane Landing water storage tank (\$175,000), realign and raise State Park Road (\$2,150,000), prepare plans and specifications (P&S) and construction for Paradise Point Parking and Beach (\$1,325,000), prepare P&S to replace joint sealing in collection ditches on the dam (\$65,000), and sandblast and paint Intake Structure Bridge (\$250,000).

Acquisition Strategy: None.

Project Sponsor: N/A.

Congressional Interest: Senate: Wicker and Cochran (MS); House: Nunnelee (MS-1), Thompson (MS-2).

Phase	FY 13 Budget	FY 13 Total Capability
Maintenance	\$6,493,000	\$11,363,000



Enid Lake, MS



Project Fact Sheet Yazoo Basin, MS, Enid Lake

Flood Control Acts of 1928, 1936, 1937, 1938, 1941, 1944, and 1946

Mississippi River and Tributaries, Maintenance(FRM, REC, ENS)

Location: Enid Lake is located in north-central Mississippi southeast of Batesville, Mississippi. Enid Dam is located in Yalobusha County, and the lake encompasses portions of Panola, Yalobusha, and Lafayette Counties.

Description: Enid Lake is a 44,036-acre multi-purpose project located on the Yocona River and stores floodwater to provide for flood damage reduction in the Yazoo Basin. Outdoor recreation and tourism associated with the lake contribute significant support to the regional economy.

Issues: Due to the age of this project, continued emphasis on critical routine and non-routine maintenance activities is required to ensure the integrity of the project and its flood control structures, in order to protect people and property from downstream flooding.

Importance: Enid Dam, completed in 1952 as a part of the comprehensive flood control plan for the Mississippi River and Tributaries Project, is operated in coordination with Arkabutla, Grenada, and Sardis Dams to reduce flood damages in the Yazoo Basin of the Mississippi Delta, one of the most significant agricultural production areas in the Nation. Through FY 11, these four projects have prevented over \$1.3 billion in flood damages within the Yazoo Basin. Following construction of Enid Dam, land-and water-based recreation became a popular pastime for project visitors. In FY 11, over 1,970,000 visitors utilized the project and its 15 developed recreation areas operated by the Corps. With multiplier effects visitor spending resulted in \$11.9 million total sales, \$4.3 million in total personal income, and supported 190 jobs in the local communities. Environmental stewardship activities are conducted to protect and enhance the project's vegetative, wildlife, fisheries, and cultural resources.

Risk: Failure to adequately fund this project jeopardizes the flood risk management capabilities for which the project was designed and has performed in an excellent manner for over 61 years. Funding is required to adequately operate and maintain project recreational facilities and continue mandated environmental stewardship activities.

Consequence: Failure to adequately operate and maintain the project and its facilities would jeopardize project integrity and potentially lead to an increase in the risk of damages from flooding. Reductions in recreational service levels will potentially lead to reduced facility availability, decreased public safety, and lower levels of recreational visitor satisfaction. Reduction in environmental stewardship services may result in inability to monitor and control such things as cultural resource sites, endangered species, invasive species, and forestry resources.



Enid Dam

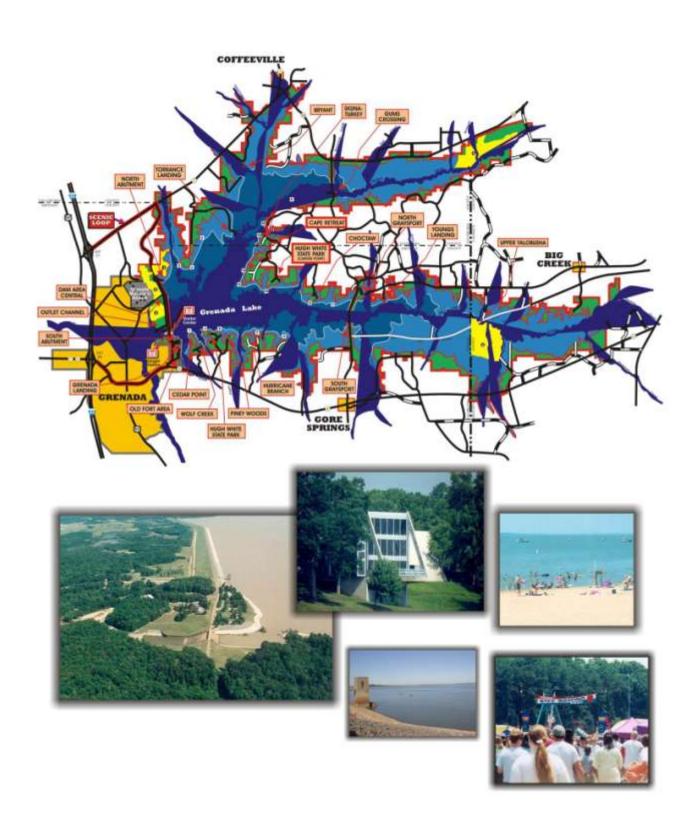
Activities for FY 13: Budgeted funds are being used to continue routine operation and maintenance at a reduced level of service in all authorized mission areas. Additional funds of \$2,351,000 could be used to achieve acceptable level of service (\$1,040,000), replace joint material at Outlet Channel and Stilling Basin Chute (\$200,000), replace cable on overhead crane at Intake Structure (\$30,000), blast and paint Emergency Spillway Bridge (\$120,000), replace flood damage reduction equipment (two dozers and miniexcavator (\$450,000), water well at Persimmon Hill (\$461,000), and prepare plans and specifications for accessible fishing pier at Outlet Channel (\$50,000).

Acquisition Strategy: None.

Project Sponsor: N/A.

Congressional Interest: Senate: Wicker and Cochran (MS); House: Thompson (MS-2), Nunnelee (MS-1).

Phase	FY 13 Budget	FY 13 Total Capability
Maintenance	\$4,795,000	\$7,146,000



Grenada Lake, MS



Project Fact Sheet Yazoo Basin, MS, Grenada Lake

Flood Control Acts of 1928, 1936, 1937, 1938, 1941, 1944, and 1946

Mississippi River and Tributaries, Maintenance (FRM, REC, ENS)

Location: Grenada Lake is located in north-central Mississippi northeast of Grenada, Mississippi. Grenada Dam is located in Grenada County, and the lake encompasses portions of Grenada, Yalobusha, and Calhoun Counties.

Description: Grenada Lake is a 90,379-acre multi-purpose project located on the Yalobusha River and stores floodwater to provide for flood damage reduction in the Yazoo Basin. Outdoor recreation and tourism associated with the lake contribute significant support to the regional economy.

Issues: Due to the age of this project, continued emphasis on critical routine and non-routine maintenance activities is required to ensure the integrity of the project and its flood control structures, in order to protect people and property from downstream flooding.

Importance: Grenada Dam, completed in 1954 as a part of the comprehensive flood control plan for the Mississippi River and Tributaries Project, is operated in coordination with Arkabutla, Enid, and Sardis Dams to reduce flood damages in the Yazoo Basin of the Mississippi Delta, one of the most significant agricultural production areas in the Nation. Through FY 11, these four projects have prevented over \$1.3 billion in flood damages within the Yazoo Basin. Following construction of Grenada Dam, land-and waterbased recreation became a popular pastime for project visitors. In FY 11, over 1.4 million visitors utilized the project and its 26 developed recreation areas operated by the Corps. With multiplier effects visitor spending resulted in \$49.9 million total sales, \$14.2 million in total personal income, and supported 742 jobs in the local communities. Environmental stewardship activities are conducted to protect and enhance the project's vegetative, wildlife, fisheries, and cultural resources.

Risk: Failure to adequately fund this project jeopardizes the flood risk management capabilities for which the project was designed and has performed in an excellent manner for over 59 years. Funding is required to adequately operate and maintain project recreational facilities and continue mandated environmental stewardship activities.

Consequence: Failure to adequately operate and maintain the project and its facilities would jeopardize project integrity and potentially lead to an increase in the risk of damages from flooding. Reductions in recreational service levels will potentially lead to reduced facility availability, decreased public safety, and lower levels of recreational visitor satisfaction. Reduction in environmental stewardship services may result in inability to monitor and control such things as cultural resource sites, endangered species, invasive species, and forestry resources.



Grenada Dam

Activities for FY 13: Funds are being used to continue routine operation and maintenance at a reduced level of service in all authorized mission areas. Additional funds of \$2,470,000 could be used to achieve acceptable level of services (\$1,065,000), remedial work relief wells (\$500,000), E&D design to rehab outdated Visitor Center Exhibits (\$150,000), dam safety equipment (dump truck) (\$150,000), construct ADA fishing pier at Outlet Channel (\$155,000), replace shower house at North Graysport (\$150,000), upgrade restroom at Bryant (\$100,000), GIS/GPS equipment (\$25,000), purchase pavilion and restroom for the beach at Overlook (\$175,000).

Acquisition Strategy: None.

Project Sponsor: N/A.

Congressional Interest: Senate: Wicker and Cochran (MS); House: Thompson (MS-2), Nunnelee (MS-1).

Phase	FY 13 Budget	FY 13 Total Capability
Maintenance	\$5,222,000	\$7,692,000



Greenwood, Mississippi



Project Fact Sheet Yazoo Basin, Greenwood, MS

Flood Control Acts of 1928, 1936, 1937, 1938, 1941, 1944, and 1946

Mississippi River and Tributaries, Maintenance (FRM)

Location: The project is located in the Yazoo Basin, Mississippi.

Description: The project includes the operation and maintenance of the city of Greenwood Protection Works and includes 55 miles of levees and 14 miles of channels, 2 miles of ditch, 59 drainage structures, 4 pumping plants and 7 weirs.

Issues: Critical work is needed to ensure the integrity of the project to protect people and property from flooding. This work consists of providing adequate levels of funding to the O&M contractor for the removal of vegetation, encroachments and utility penetrations of the levees in the Greenwood Protection Works and to operate the drainage structures and pump stations on an as needed basis

.Importance: Greenwood is a major center of transportation and commerce for the portion of the State of Mississippi known as the Mississippi Delta. The project protects the city of Greenwood from flooding by the Tallahatchie, Yalobusha and Yazoo Rivers.

Risk: Leaving the project in disrepair may lead to flooding issues and reduced levels of flood protection in the project area.

Consequence: Failure to operate and maintain the project would jeopardize the project integrity and benefits.



Item 184 - View of recent work towards removing trees from the levee slopes. Stumps are scheduled for removal in the near future.

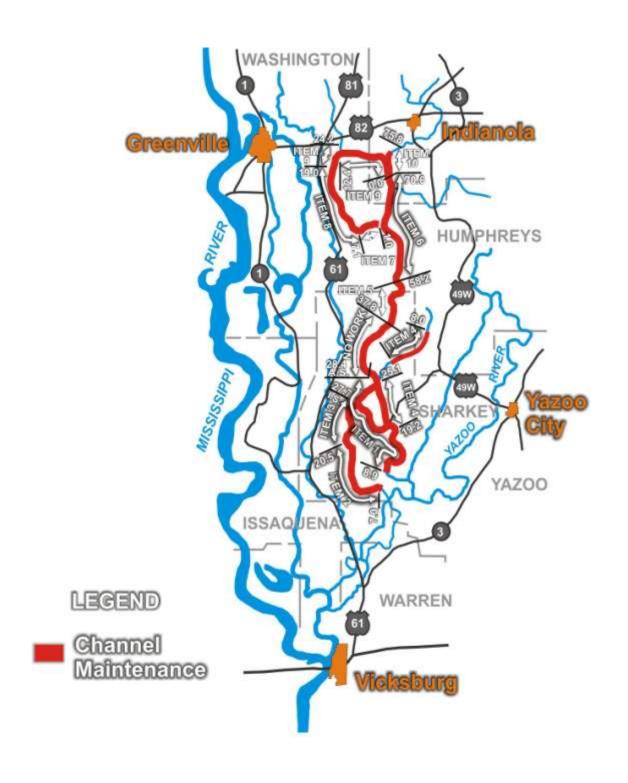
Activities for FY 13: Budgeted funds are being used to continue minimal operation and maintenance. Additional funds of \$1,925,000 could be used to achieve acceptable levels of service (\$800,000) and for levee safety related work (\$1,125,000).

Acquisition Strategy: No contracts are scheduled to be awarded in FY 13.

Project Sponsor/Customer: Yazoo-Mississippi Delta Levee Board

Congressional Interest: Senate: Wicker and Cochran (MS); House: Thompson (MS-2).

T	FY 13	FY 13
Phase	Budget	Total Capability
Maintenance	\$788,000	\$2,713,000



Big Sunflower River, MS (Including Bogue Phalia)



Project Fact Sheet

Yazoo Basin, Big Sunflower River (Including Bogue Phalia), MS

Flood Control Acts of 1928, 1936, 1937, 1938, 1941, 1944, 1946, 1962 and 1965

Mississippi River and Tributaries, Maintenance (FRM)

Location: The Big Sunflower River Basin comprises an area of approximately 4,200 square miles in northwest Mississippi.

Description: The project was designed to provide flood protection via improvements to drainage channels that channel storm water runoff in the west central Yazoo Basin areas west of Highway 61 in the vicinity of Greenville, MS.

Issues: The existing flood control project is not currently functioning as originally constructed due to the loss of channel design capacity both from vegetative growth and sediment accumulation. The current project will restore the channels to original design capacities. Critical work is needed to ensure the integrity of the project to protect people and property from flooding. This work consists of repairs to weirs constructed in the Bogue Phalia to maintain vegetation control and regulate storm water runoff.

Importance: The purpose of the remaining work in this project is to provide channel improvement that will reduce the flooding in Greenville from Main Canal and will protect 195,000 acres against the design flood and substantially benefit an additional 395,000 acres. Project mitigation for terrestrial and wetland losses will require acquisition of approximately 5,250 cleared acres of frequently flooded agricultural lands for reformulation.

Risk: Leaving the project in disrepair may lead to flooding issues and reduced levels of flood protection in the project area.

Consequence: Failure to operate and maintain the project would jeopardize the project integrity and benefits.



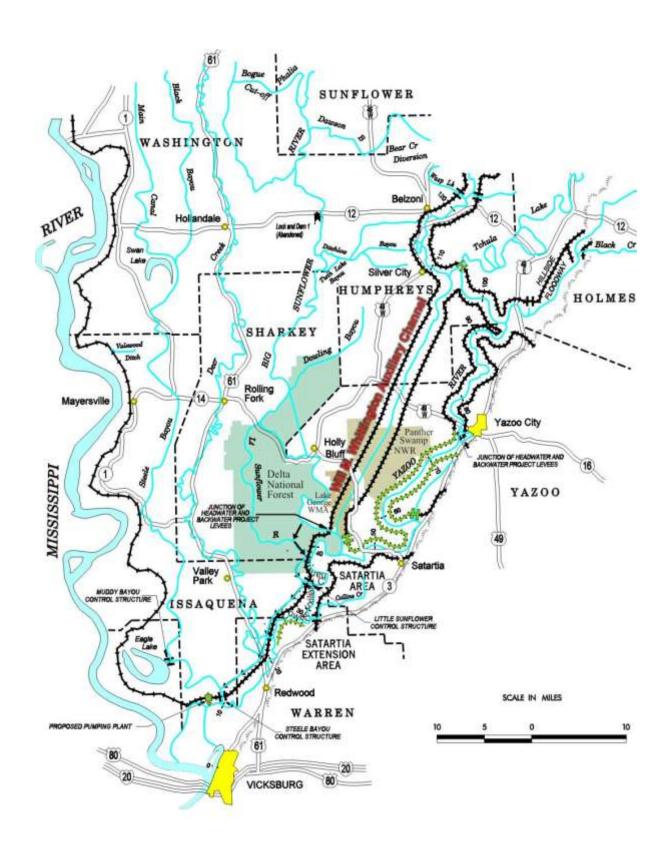
Big Sunflower River

Activities for FY 13: Budgeted funds are being used for operation and maintenance of the project. Additional funds of \$400,000 could be used to maintain acceptable level of service (\$300,000) and continue wetland and aquatic monitoring within the project area (\$100,000).

Acquisition Strategy: No contracts are scheduled to be awarded in FY 13.

Project Sponsor/Customer: Yazoo-Mississippi Delta Levee Board

Phase	FY 13 Budget	FY 13 Total Capability
Maintenance	\$177,000	\$577,000



Yazoo Backwater, MS



Project Fact Sheet Yazoo Basin, Yazoo Backwater, MS

Flood Control Acts of 1941, 1944, 1965

Mississippi River and Tributaries, Maintenance (FRM)

Location: The project is located in the Yazoo Basin, MS.

Description: The project includes the operation and maintenance of seven drainage structures.

Issues: Critical work is needed to ensure the integrity of the project to protect people and property from flooding. The Flood of 2011 demonstrated the requirement that the Steele Bayou, Little Sunflower and Muddy Bayou Structures be 100 percent reliable. To continue to provide this reliability, it is necessary that stoplogs that meet current Corps hydraulic steel structure standards be fabricated for the Steele Bayou Structure. These stoplogs will be used to provide access to the structure gates for inspection and repair, when necessary.

Importance: The flood control feature protects a large agricultural area and many small communities in the lower Yazoo Delta from backwater flooding of the Mississippi River.

Risk: Leaving the project in disrepair may lead to flooding issues and reduced levels of flood protection in the project area.

Consequence: Failure to operate and maintain the project would jeopardize the project integrity and benefits.



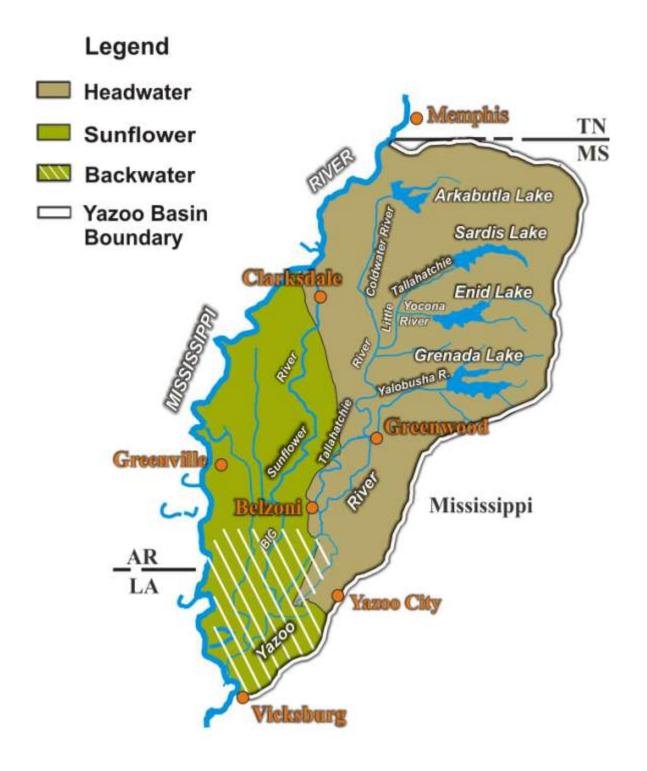
Steele Bayou Drainage Structure on the Yazoo Backwater Levee

Activities for FY 13: Budgeted funds are being used to continue operation of project features. Additional funds of \$1,125,000 could be used for fabrication of stoplogs for Steele Bayou structure (\$1,000,000), maintenance and development of wildlife mitigation areas (\$100,000), and conduct HSS inspections of Steele Bayou stoplogs (\$25,000). Supplemental funds of \$3,135,000 will be used to award a contract to repair bank stability issues (\$3,075,000) and levee slides (\$60,000) on the Yazoo Backwater Levee System.

Acquisition Strategy: A construction contract will be awarded to repair bank stability issues near the levee system. Hired Labor forces will be used to repair the levee slides.

Project Sponsor/Customer: Board of Mississippi Levee Commissioners

Phase	FY 13 Budget	FY 13 Supplemental	FY 13 Total Capability (Regular)
Maintenance	\$511,000	\$3,135,000	\$1,636,000





Project Fact Sheet Yazoo Basin, Main Stem, MS

Flood Control Acts of 1941, 1944, and 1965

Mississippi River and Tributaries, Maintenance (FRM)

Location: The project is located in the Yazoo Basin, MS.

Description: The project includes the operation and maintenance of 136 miles of levees, 287 miles of channels, and 74 drainage structures.

Issues: Critical work is needed to ensure the integrity of the project to protect people and property from flooding. This critical work consists of rebuilding the riverside face of 3.1 miles of the West Bank, Coldwater River Levee to USACE standards with impervious material and remove unwanted vegetation from within 15 feet of both levee toes. ARRA funds were used to purchase stone and perform bank stabilization at Item 3A2 and 290-L on the Yazoo River to protect adjacent levees.

Importance: The project provides flood protection to the Yazoo Basin along the Tallahatchie, Coldwater River below the spillway of Arkabutla Dam and the Yazoo River. Flood damage reduction measures include authorized levees, channels and appurtenant drainage structures. The incorporation of a spoil bank into 3.1 miles of the West Bank, Coldwater levee system resulted in this reach being decertified in 2010. The 2011 flood emphasized the need to complete this bank stabilization to preserve the integrity of the levees.

Risk: Leaving the project in disrepair may lead to flooding issues and reduced levels of flood protection in the project area.

Consequence: Failure to operate and maintain the project would jeopardize the project integrity and benefits. Plans and specifications are complete for the rehab of this reach of levee to provide flood protection and enable this reach to be recertified.



West Levee Sta. 681+00 – In this reach, existing spoil was shaped for the roadway and levee and the riverside slopes are heavily wooded. The Coldwater levee system contains numerous reaches similar to this.

Activities for FY 13: Budgeted funds are being used to continue minimal operation and maintenance. Additional funds of \$2,225,000 could be used to achieve acceptable levels of service (\$1,700,000), maintenance and development of wildlife mitigation areas (\$400,000), and levee safety related work (\$125,000). Supplemental funds are being used to design and repair bank stability issues on the levee system.

Acquisition Strategy: A construction contract will be awarded to repair bank stability issues on the Yazoo River near Silver City, Mississippi. Hired labor forces will be used to complete repair of bank stability issues at 3A-2 and 290L on the Yazoo River near Morgan City, Mississippi.

Project Sponsor/Customer: Yazoo-Mississippi Delta Levee Board

Phase	FY 13 Budget	FY 13 Supplemental	FY 13 Total Capability (Regular)
Maintenance	\$1,273,000	\$2,409,200	\$3,498,000







Greenville Harbor, MS



Project Fact Sheet Greenville Harbor, MS

Flood Control Act (FCA) of 1928, as amended by FCAs 1946, 1954, and WRDA 1986

Mississippi River and Tributaries, Maintenance (NAV)

Location: The Greenville Harbor, located at Greenville, MS, provides access to the Mississippi River by way of a 250-foot-wide by 9-foot-deep channel. The harbor is located in an old bendway of the Mississippi River on Lake Ferguson, just southwest of the city of Greenville.

Description: The harbor and turning basin are 500 feet wide and 10,000 feet long, with a maintained depth of 9 feet at the lowest river stages. The harbor is connected to the Mississippi River by a channel 250 feet wide with a maintained depth of 9 feet at the lowest river stages. The project's purpose is to provide local businesses, industries and vessels navigating the Mississippi River access to the harbor facilities at Greenville.

Issues: Without maintenance dredging funds, this harbor will lose project dimensions during the busiest time of the year when crops are harvested and shipped via various ports and harbors along the Mississippi River.

Importance: This harbor provides a means for farmers, as well as other industries, in a large area of the Mississippi Delta a less costly means to ship commodities.

Risk: The loss of a dependable, reliable, and safe harbor will have significant adverse impacts on the region due to the increased shipping costs by rail and trucks.

Consequence: The many small communities and farmers served by this harbor will be forced to seek other, more costly means to move their products. Also, approximately 540 jobs could be lost, with an annual payroll of \$12.6 million.



Greenville Harbor

Activities for FY 13: Budgeted funds will be used to perform surveys. Additional funds of \$1,477,000 could be used for dredging.

Acquisition Strategy: None.

Project Sponsor/Customer: Greenville Port Commission

Congressional Interest: Senate: Wicker and Cochran

(MS); House: Thompson (MS-2).

Phase	FY 13 Budget	FY 13 Total Capability
Maintenance	\$23,000	\$1,500,000



Vicksburg Harbor, MS



Project Fact Sheet Vicksburg Harbor, MS

Flood Control Act (FCA) of 1928, as amended by FCAs 1946, 1954, and WRDA 1986

Mississippi River and Tributaries, Maintenance (NAV)

Location: The Vicksburg Harbor is located in west-central Mississippi at Vicksburg, MS, with access to the Mississippi River by way of the Yazoo River Diversion Canal.

Description: The harbor channel is 500 feet wide and 12,000 feet long with a 500 feet wide, 15,000 feet long channel on the Yazoo River Diversion Canal from the Mississippi River to the harbor entrance. The Upper Harbor channel is 150 feet wide. A minimum depth of 9 feet at the lowest Mississippi River stage is maintained. The project's purpose is to provide local businesses, industries and vessels navigating the Mississippi River access to the harbor facilities at Vicksburg. Riverside development within the project area has occurred along the east banks of the Mississippi River and the Yazoo Diversion Canal and extends upstream from the vicinity of Interstate 20 Highway Bridge for a distance of approximately 8 miles.

Issues: Local commerce and vessels navigating the Mississippi River use the harbor facilities at Vicksburg. The Vicksburg District's Mat Sinking Unit and Dredge Jadwin are moored at the Vicksburg Harbor during the off-season as well.

Without maintenance dredging funds, this harbor will lose project dimensions during the busiest time of the year when crops are harvested and shipped via various ports and harbors along the Mississippi River.

Importance: This harbor serves as a shipping point for a wide range of industries and is a major contributor to the local economy.

Risk: The loss of a dependable, reliable, and safe harbor will have significant adverse impacts on the region due to the increased shipping costs by rail and trucks.

Consequence: The many small communities and farmers served by this harbor will be forced to seek other, more costly means to move their products. Approximately 4,000 jobs could be affected with an annual payroll of \$80 million. The economic impact to the area is approximately \$564.8 million.



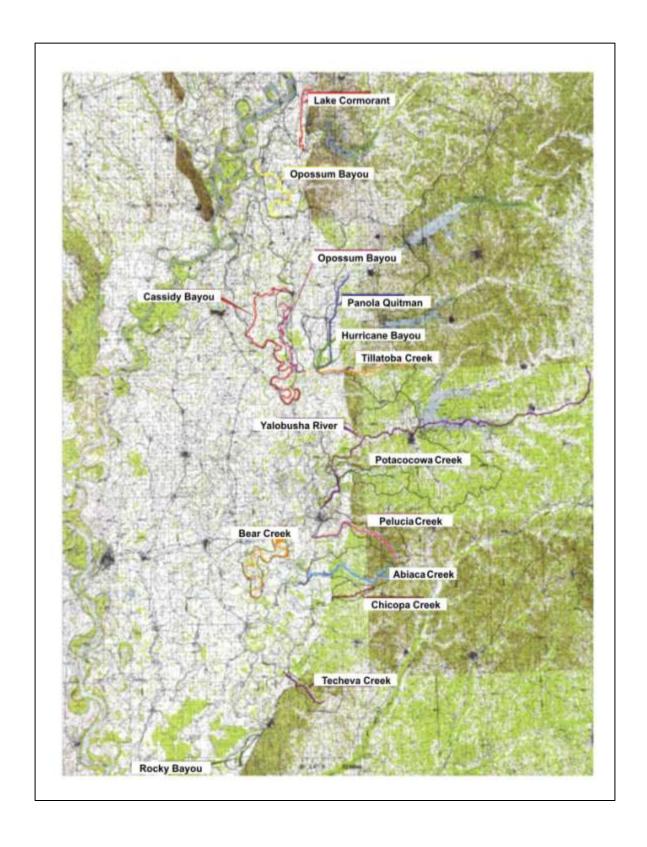
Vicksburg Harbor

Activities for FY 13: Budgeted funds will be used to perform surveys. Additional funds of \$1,159,000 could be used for dredging.

Acquisition Strategy: None.

Project Sponsor/Customer: Vicksburg/Warren County Port Commission

Phase	FY 13 Budget	FY 13 Total Capability
Maintenance	\$41,000	\$1,200,000



Yazoo Basin, Tributaries, MS



Project Fact Sheet Yazoo Basin, Tributaries, MS

Flood Control Acts of 1941, 1944, and 1965

Mississippi River and Tributaries, Maintenance (FRM)

Location: The project is located in the Yazoo Basin, MS.

Description: The project includes the operation and maintenance of 136 miles of levees, 287 miles of channels, and 74 drainage structures.

Issues: Critical work is needed to ensure the integrity of the project to protect people and property from flooding. This work consists of providing adequate levels of funding to the O&M contractor for the removal of vegetation and encroachments and to operate the drainage structures on an as-needed basis.

Importance: The project provides flood protection to the Yazoo Basin along the Little Tallahatchie, Yalobusha, and Yocona Rivers from the spillways of Sardis, Enid, and Grenada Dams to the main stem of the Yazoo River and various smaller tributary streams that empty directly into the Yazoo River. Flood damage reduction measures include authorized levees, channels and appurtenant drainage.

Risk: Leaving the project in disrepair may lead to flooding issues and reduced levels of flood protection in the project area.

Consequence: Failure to operate and maintain the project would jeopardize the project integrity and benefits.



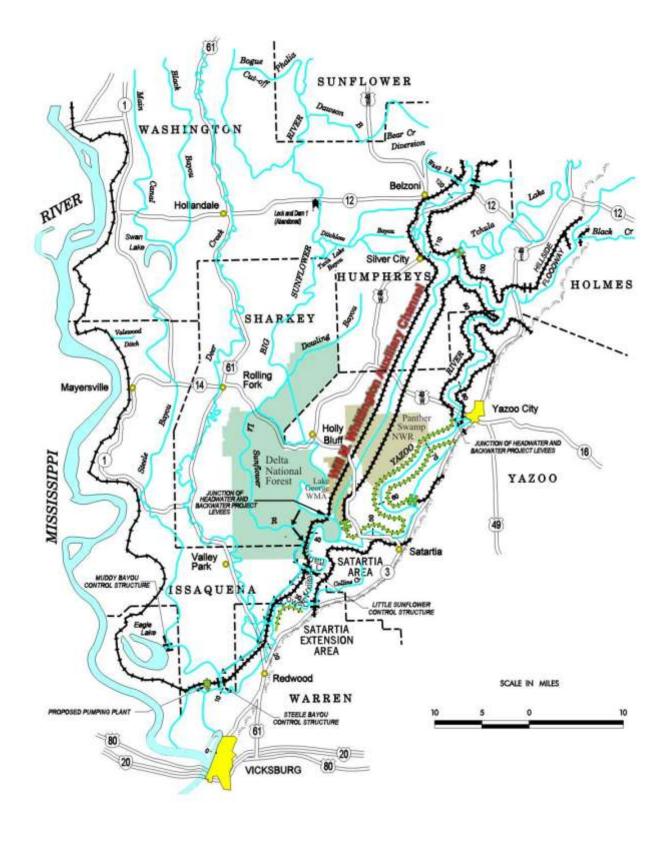
Ascalmore-Tippo Sta. 335+00 - North Levee

Activities for FY 13: Budgeted funds are being used to continue operation and maintenance at a reduced level of service. Additional funds of \$200,000 could be used to achieve acceptable levels of service. Supplemental funds will be used to make levee system repairs.

Acquisition Strategy: No contracts are scheduled to be awarded in FY 13. The existing O&M contract will be utilized to make the repairs.

Project Sponsor/Customer: Yazoo-Mississippi Delta Levee Board

Phase	FY 13 Budget	FY 13 Supplemental	FY 13 Total Capability (Regular)
Maintenance	\$944,000	\$100,000	\$1,144,000



Will M. Whittington Auxiliary Channel, MS



Project Fact Sheet

Yazoo Basin, Will M. Whittington Auxiliary Channel, MS

Flood Control Acts of 1928, 1936, 1937, 1938, 1941, 1944, 1946, 1962 and 1965

Mississippi River and Tributaries, Maintenance (FRM)

Location: The project is located in west Mississippi in portions of Yazoo and Humphreys Counties and is a part of the Yazoo Basin Headwater Area.

Description: The project includes a leveed floodway and landside drainage ditches from the vicinity of Silver City on the Yazoo River to near the mouth of Big Sunflower River.

Issues: Critical work is needed to ensure the integrity of the project to protect people and property from flooding. This work consists of providing adequate levels of funding to the O&M contractor for the removal of vegetation and encroachments and place granular surface material on the levees as needed to provide all-weather access.

Importance: This flood control feature in the Yazoo Basin headwater area is a leveed floodway that splits the flows of the Yazoo River and reduces flood stages on the Yazoo River. The levee provides major flood protection to areas between the Will Whittington Levee and the Mississippi River east bank levee.

Risk: Leaving the project in disrepair may lead to levee safety issues, levee certification issues and reduced levels of flood protection and higher risks.

Consequence: Failure to operate and maintain the project would jeopardize the project integrity and benefits.



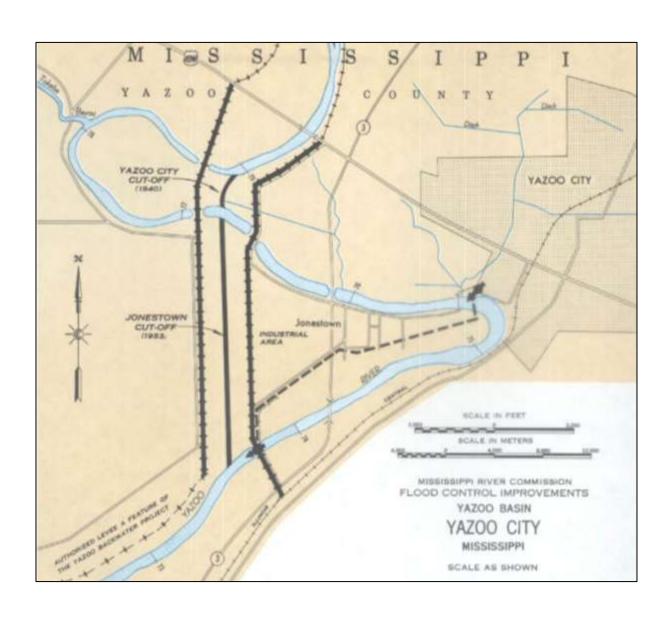
Will M. Whittington Levee

Activities for FY 13: Budgeted funds are being used to continue operation and maintenance of project features. Additional funds of \$116,000 could be used to achieve acceptable levels of service. Supplemental funds are being used to repair levee surfacing that was degraded during the 2011 flood fight.

Acquisition Strategy: No contracts are scheduled to be awarded in FY 13.

Project Sponsor/Customer: Yazoo-Mississippi Delta Levee Board

Phase	FY 13 Budget	FY 13 Supplemental	FY 13 Total Capability (Regular)
Maintenance	\$375,000	\$100,000	\$491,000



Yazoo City, MS



Project Fact Sheet Yazoo Basin, Yazoo City, MS

Flood Control Acts of 1928, 1936, 1937, 1938, 1941, 1944, and 1946

Mississippi River and Tributaries, Maintenance (FRM)

Location: The project is located in the Yazoo Basin.

Description: The project includes the operation and maintenance of Yazoo City Protection Works and includes levees, channels, drainage structures, pumping plants and weirs.

Issues: Critical work is needed to ensure the integrity of the project to protect people and property from flooding. This work consists of providing adequate levels of funding for the O&M contractor to operate the drainage structures and pump station on an as-needed basis.

Importance: The city of Yazoo City was established on a bendway of the Yazoo River. Yazoo City is a major center of transportation and commerce where the uplands of Mississippi meets that portion of the state of Mississippi known as the Mississippi Delta. These flood damage reduction measures protect Yazoo City from flooding from the Yazoo River.

Risk: Leaving the project in disrepair may lead to flooding issues and reduced levels of flood protection in the project area.

Consequence: Failure to operate and maintain the project would jeopardize the project integrity and benefits.



Yazoo City Protection Works - East Levee - Station 44+00

Activities for FY 13: Budgeted funds are being used to continue operation and maintenance of project features, rehabilitate pipe structures, and evaluate levee seepage concerns. Additional funds of \$125,000 could be used to fund levee safety related work.

Acquisition Strategy: No contracts are scheduled to be awarded in FY 13.

Project Sponsor/Customer: Yazoo-Mississippi Delta Levee Board

1	FY 13	FY 13
Phase	Budget	Total Capability
Maintenance	\$714,000	\$839,000



